A SHORT COMPENDIUM OF THE New and much Enlarged SEA-BOOK, OR, Pilots Sea-Mirror,

CONTAINING

The Distances and Thwart Courses of the Eastern, Northern, and VVestern NAVIGATION;

Also the Courses and Distances of the *Streights*, or *Mediterranean Seas.*

With the Tide-Tables, and the Full and Change of the Moon, for Eight Years.

Newly enlarged and amended, by several Experienced Navigators.

And now for the Benefit and Encouragement of our Sea-men, Translated into English; And calculated according to 20 Leagues for a Degree.

By *L. CHILDE*, Esq;

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The First Part.

Containing all the Distances and Thwart Courses of the Eastern and Northern Navigation, contained in the new and much enlarged

SEA-MIRROR.

Cap. I. *From the Flye to the Elve.*

Along the Coast. *English Leagues.*

THe Coast along the Islands of the Flye to the Elve, stretcheth E N E, and W S W.

Piterland, or the Steep-grounds, and Bornriff lye asunder N E and by E, and S W and by W 4 leagues.

From Borckum-riffe to Wranger-oogh, E N E 16 l.

From the Eastern Eems, or Juyster-riffe, to the Steep-buye, or Schoe-tunne, E N E 20 l.

From Wranger-oogh to the New-work, E N E 8 l.

Thwart Courses over Sea.

From the Flye to the North-east end of the Broad-fourteens, or Breeverthien, W N W, 8 l.

From the Flye to Tinmouth, or Newcastle, W N W, 60 l.

From the Flye to Hitland, N W by N, and somewhat more Northerly, 155 leagues

From the Flye to Fairehill, N W & by N 144 leagues

From the Flye to Schuytenes, N & by W, somewhat northerly, 166 l.

From the Flye to the Maes, N and by E 85 leagues
From the Flye unto the top of the Riffe in sixteen fathom depth, N and by E 66, or 67 l.
From the Flye to Bovenbergen, N N E 69 l.
From the Flye to Rinkopper, or Numer-deep, N N E, or a little more Northerly 58 l.
From the Flye to the Island Silt, N E 46 l.
From Born-riffe to the Naze, the course is North, or a little Easterly 82 l.
From Born-riffe to Holy-Land, N E and by E 33 l.
From Born-riffe to Wranger-oogh, E N E 29 l.
From Born-riffe to the Western Eems, 14 l.
From the Eems to Flambrough-head, west or something northerly, 85 leagues
From the Eems to Bovenbergen, N and by E 59 l.
From the Eems to Holy-Land, N E, & N E & by E, 21, or 22 l.
From the outermost Buy upon the Elve, to the Eyder, N, 7, or 8 l.
From Langer-oogh to Holy-Land, N N E, 10 l.
Holy-Land the outermost Buy in the Weser, beareth North and somewhat Easterly, and South and somewhat Westerly asunder. The Buy upon the head in the Weser and Holy-land, lye distant N and S 8 l.
The Scorre-buy, or the New-work and Holy-land, lye asunder S E and by E, and N W and by W, 8 l.
The outermost Buy in the Eyder and Holy-land, lye asunder East, somewhat Northerly, and West somewhat Southerly, 7 or 8 l.
From Holy-land to the Holms before Yarmouth, W S W, or what Westerly, 72 l.
From Holy-land to Scarbrough and Flambrough-head, West, or somewhat more Southerly, 93 l.
From Holy-land to Tinmouth or Newcastle, West, or somewhat more Northerly, 106 l.
From Holy-land to Leeth in Scotland, W and by N, and somewhat more Northerly, 120 l.
From Holy-land to Boeckenes, N W and by W, 123 l.
From Holy-land to Hang-lip in Hitland, N W, 147 l.
From Holy-land to Bovenbergen, N and by W, and something Northerly, 50 l.

From

From Holy-land to the Horn or Dode-bergh, North 32 leagues
From Holy-land to Knuyts-deep, or Ryper-deep, N & N by E, 25 l.
From Holy-land to the Deep of Silt, or Liſt, N & by E 19 l.
From Holy-land to Ameren, or Small-deep, N N E, and ſomewhat Eaſterly, 13 l.
From Holy-land to the outermoſt Buy in the Hever, N E 8 l.
From Holy-land to the Eyder, E & by N, and W & by S, 7 l.

Cap. II. *The Coaſt of Jutland.*

From the Elve to the Scaw.

Along the Coaſt. *Engliſh Leagues.*

From the Eyder to the Hever, the Land lyes N N W, and S S E, 5 leagues and a half
From the Hever, or the South end of Strand, to the South end of Ameren, N N W, 5 leagues and a half
Two miles north of Ameren, lyes Silt, which is about four miles long, and lyeth S and by E, or N and by W.
From the North end of Silt, called Liſt, to the South end of Rim, or Rem, is N E, and S W, one mile. Rem is two miles and a half long, and ſtretcheth almoſt South and North.
From the North end of Rem to the South end of Manu, it is N E, and S W, one mile; a man can hardly get ſight of it, by reaſon of the grounds and great Shoals which lye thwart of it to the Sea-wards.
From Phanu Knuyts to Knuyts-deep, S S E, and N N W.
From the Doodenbergh to the Haven of Numen, or Rinkopper-diep, N and by W, 7, or 8 l.
From Rinkopper-diep, or the Haven of Numen, to Boevenbergen, N and by W. 11 l.
From the Doodenbergh to Boevenbergen, N and by W, and S and by Eaſt, 17, or 18 l.
From Boevenberghen to the Holms, N N E, 9 leagues and a half.
From the Holms to Robſnot, or Robbe-knuyt, N E, 9 l.
From Robſnot to Hartshals, N E and by E, 4 l.
From Hartshals to the Scaw, or Schagen, E N E, 8 l.

Thwart

Thwart Courses over Sea.

From Boevenberghen to Holy-land, S and by E, and well Southerly, 50 leagues
From Boevenbergen to the Flye, or Borneriffe, S S W, 69 l.
From Boevenbergen to the North-Forland, South W & by South, 119 l.
From Boevenbergen to the Holms before Yarmouth, S W, 93 l.
From Boevenbergen to Flambrough-head, W S W, 101 l.
From Boevenberghen to Scarbrough, W S W, and a little Westerly, 101 l.
From Boevenberghen to the River of Newcastle, or Tinmouth, W and by S, 106 l.
From Boevenberghen to Boeckenes, W and by N, about 106 l.
From Boevenberghen to the Naze, N W and by N, 134 l.
From the Riffe in sixteen fathom, to the Flye, South and by West, 62 l.
From the Riffe in eighteen fathom, to the Strait betwixt Callice and Dover, S S W, about 120 l.
From the Holms to the Naze, N W, 20 l.
From the Holms to Fleckery, N W and by N, 18 l.
From the Holms to Maerdow, North, 24 l.
From the Holms to Long-sound, N and by E, 36 l.
From the Holms to Ferderoer, N N E, 40 l.
From the Scawe to Tinmouth, W S W, 136 l.
From the Scawe to the Naze, W, 33 l.
From the Scawe to Fleckery, W and by N, 25 l.
From the Scawe to Reperwick, W & by N, & W N W, 24 l.
From the Scawe to Maerdow, N W and by W, 20 l.
From the Scawe to Long-sound, N W and by N, or a little more Northerly, 21 l.
From the Scawe to Ferderoer, N and by W, 23 leagues
From the Scawe to Otturen, N and by E, 25 leagues
From the Scawe to Mael-strand, E N E, 12 l.
From the Scawe to Nydinck, E and by S, 16 l.
From the Scawe to Waers-bergen, E S E, 19, or 20 l.
From the Scawe to the Trindels, S E, 8 l.
From Scawe, about a Seaboard the Trindels, S E & by E, 8 l.
From the Scaw to Lesou, or the north end of the Riffe, S S E, 8 l.

CAP.

Cap. III. *The Coast of Norway and Schonen.*

From the Naze through the Sound, and about the point of Falsterboen, as far as Brunsholm.

Along the Coast.	*English Leagues.*
From the Naze to Schare-sound, E N E,	12 leagues and a half
From the Naze to Vleckery, E N E,	8 l.
From the Naze to Reperwyck, E N E,	10 leagues and a half
From Vleckery to Reperwyck, or to Wolf-sound, E N E, and N E and by E,	2 leagues and a half
From Wolf-sound to Blind-sound, N E,	2 leagues and a half
From Blind-sound to Maerdow, N E,	4 l.
From Wolf-sound, or Reperwyck, to Maerdow, N E,	8 l.
From Maerdow to Joffer-land, N E,	8 l.
From Maerdow to Oostryfen, N N E,	18 leagues and a half
From the Joffer-land to Long-sound, N N E,	1 league and a half
From Vleckery to the Joffer-land, N E,	19 l.
From Long-sound to Farder, E N E,	8 l.
From Laerwyck to Farder, E N E,	4 l.
From Farder to Moncks Island, or Roge, N N E,	5 l. and a half
From Farder to the Island Bast, N and by W,	5 leagues and a half
From Farder to the Soon-water, North, or somewhat Easterly,	8 l.
From Bast to the Coperwyck, N and by W,	4 l.
From Bast to the Red-point, or the Soen-water, N N E,	4 l.
From Bast to the Sisters, South East,	5 leagues and a half
From the Sisters to Acker-sound, E and by S,	4 l.
From Acker-sound to Souther-wycks-holm, S E and by E,	4 l.
From Souther-wycks holm to Harmans-head, S S E,	5 l.
From Harmans-head to the west end of the Pater-noster,	5 l.
From the west end of the Pater-noster to Mael-strand, E N E,	3 l.
From Mael-strand to Winnen, S E,	5 leagues and a half
From Winnen to Mael-sound, S S E,	3 l.
From Mael-sound to Waers-bergen, S S E,	5 leagues and a half
From Waers-bergen to Tuylo, S E,	5 leagues and a half
From Tuylo to Las-holm, S E and by E,	5 leagues and a half

From

From La-holm to the point of Turko, behinde Swedereur, West South West, 2 leagues and a half
From Turko to Engel-holm, S E, 4 l.
From Engel-holm to Koll, W, 4 l.

Thwart Courses over Sea.

From Mael-ſtrand to Nyding, S S E, 8, or 9 l.
From Mael-ſound to Nyding, S W, and S W and by W, 11 l.
From Nyding to Waers-bergen, S E, 5 leagues and a half
From Waers-bergen to Coll, S and by E, 12 l.
From the South end of Swedero to Coll, S W, 4 l.
From Coll to Elſeneur, S E, and S E and by S, 4, or 5 l.
From Lap-ſand to Ween, S S E, 3 l.
From Elſeneur to the Norther Buy in the Shoals, S and by E, 6 l.
From Elſeneur to Landſ-crone, E S E, 4 l.
From Ween to Malmuyen, S E, and S E and by S 6 l.
From Malmuyen to Reeffholm, W, 5 leagues and a half
From Malmuyen to Steden, S S W, 8 l.
From the Buy upon the Draker-riff to Kuyck, S W, 5 l.
From the Buy upon Draker-riff to Steden, S & by W, 5 l.
From the Buy upon the Draker-riff to the Buy upon Falſterborns-riff, S, 5 leagues and a half
From Falſterboen to Elburgh, E and by N, and E N E, 4 l.
From Elburgh to Vuytſtee, E and by N, and E N E, 8 l.
From Vuytſtee to Goosbeer, E N E, 3 l.
From Goosbeer to Sand-hammer, N E, 1 league and a half,
From the Naze to the Scaw, E, 32 l.
From the Naze to the Holms in Jutland, S E, 19 l.
From the Naze to Bovenbergen, S E and by S, 24 l.
From the Naze to Holy-land, S & by E, & S S E, 68 l.
From the Naze to Eems, South, and ſomewhat Eaſterly, 75 l.
From the Naze to Born-riff, South, and ſomewhat weſterly, 83 l.
From the Naze to the Tellel, or Maerſdeep, South and by Weſt, diſtant 93 l.
From the Naze to Walcheren, S and by W, 126 l.
From the Naze to the Heads, or the Strait between Callis and Dover, S S W, or ſomewhat more Weſterly, 144 l.
From the Naze to the Holms before Yarmouth, S S W, ſomewhat weſterly, 97 l.

From

From the Naze to Flambrough-head, S W, 100 leagues.
From the Naze to Scarbrough, S W, 99 l.
From the Naze to the river of New-caſtle, S W and by W, and ſomewhat weſterly, 104 l.
From the Naze to Lieth in Scotland, S W, and ſomewhat weſterly, 103 l.
From the Naze to Boeckneſs, weſt and ſomewhat northerly, 89 l.
From the Naze to Fayrhil, W N W, 93 l.
From the Naze to Hitland, N W and by W, 101 l.
From the Cleef, or the Cow and Calf, to the Scaw, E and by S, and ſomewhat Eaſterly, 31 l.
From Fleckory to the Holms in Jutland, S E and by S, 19 l.
From Fleckory to the Scaw, E and by S, 26 l.
From Reperwyck to the Scaw, E and by S, and E S E, 24 l.
From Mardow to the Holms, S, 24 l.
From Maerdow to the Scaw, S E and by E, 20 l.
From Long-ſound to the Holms, S and by W, 35 l.
From Long-ſound to the Scaw, S E and by S, or a little more Southerly, 21 l.
From Farder to the Holms, S S W, 40 l.
From Farder to the Scaw, S and by E, 22 leagues and a half.
From Otturen to the Scaw, S and by W, 26 l.
From Harmans-head to the Scaw, S W and by S, 16 l.
From the Pater-noſter to the Scaw, W S W, 12 l.
From the Riffe of Scaw to Mael-ſtrand, E N E, 13 l.
From the Riffe the Scaw to Nydingh, S E and by S, 16 l.
From the Riffe of the Scaw to Waersbergen, E S E, 22 l. & a half.
From the Riffe of the Scaw to Coll, alongſt without the Trindel, S E, 29 l.
From the Riffe of the Scaw to Leſou, S S E, 8 l.
From the Riffe of the Scaw to the Trindel, S E, 8 l.
From the Trindel to Anout-riff, S E, or ſomewhat more ſoutherly, 9 leagues and a half.
From Anouts Riff to Coll, S E, 10 leagues and a half.
From Anouts Riff to Haſelin, S, 10 leagues and a half.
From Coll to Haſelin, S W and by W, 8 l.
From Coll to the Northermoſt outerly point of Zealand, S W, 5 l.

Cap. IV. *To sayl through the Belt.*

Along the Coast of Jutland, Zealand, and Mekelenburgh, unto Brunsholm, or Bornholm.

Coasting and Thwart Courses.

From the Scaw to Lesou, S S E, 8 leagues
From the Scaw to the small Helmes, S and by W, 4 l.
From the Scaw to Zeabuy, S and by W, 6 leagues and a half.
From the Helmes to Zeabuy, 3 l.
From Zeabuy to Aelburger-deep, S and by W, 6 leagues & a half
From Aelburger-deep to Mariacker, S, and S and by W, 4 l.
From Aelburger-deep to Stevens-head, S E and by S, 9 l.
From Aelburger-deep to Haselin, S E and by E, 20 l.
From Stevens-head to Haselin, E S E, 13 l.
From Stevens-head to the great Holme, S S W, and S and by West, 6 leagues and a half
From Stevens-head to the point of Ebeltud, S S W, 7 or 8 l.
From Stevens-head to Syro, S S E, 8 l.
From the great Helm to Wero, S S E, 4 l.
From the great Helm to Sampso, S W, 4 l.
From the South end of Ebeltud to Aerhuysen, W and by N, and W N W, 5 l.
From the Road of Sampso to Ebelo, S S W, and S & by W, 5 l.
From the south end of Sampso to the Island of Ebelo, S W, 4 l.
The North-west Coast of Fuynen, lieth S W and by W, 8 l.
From Ebelo to Melverfound, S W, 5 l.
From Endelaw to Melverfound, S S W, and well southerly, 6 leagues and a half.
From Sampso to Roems, S E, 5 l.
From Syro to Rosnes, S S W, 4 l.
From by West of Syro to Roems, S S W, and S and by W, 9 l.
From Wero to Bultsack, S S W, 4 l.
From Wero to Romps, S and by E, 8 l.
From Romps to Knuyts-head, S and by E, and S S E, 5 l.
From Knuyts-head to Langeland, S E, 4 l.
From Knuyts-head to the Island Tassing, South, 4 l.
From the South-east end of Fuynen to the East point of Asken, West,

West, and West and by North, 5 leagues
From the Point of Askens to the little Islands of Toreu and Areu, W and by N, and W N W, 3 l.
From Areu to Melversound, N N W, 5 l.
From the Point of Rosnes to the Island Syro, N N E, and S S W, 8, or 9 l.
From Rosnes to Casseur, S S E, 11 leagues and a half.
From Syro to Langeland, S E and by S, 4 l.
From the North end of Langeland to the South end, South, 8 l.
From the South end of Langeland to the Island Arr, N W & by W, as well westerly, 4 l.
From the Island Arr, or Coping, to the Roen, N W & by W, 5 l.
From the Roen to the little Island Areu, V V and by N, 3 l.
From Areu to Apenrade, S S W, 5 l.
From the River of Apenrade, to the narrow or strait of Sonderburgh, East, 3 l.
From Sonderburgh to the Sley, S E and by E, 4 l.
From the south end of Langeland to Femeren, S E & by E, 7 or 8 l.
From the Pools-riffe lying on the Island Aelst, to Femeren, East South East, 14 l.
From the Sley to Kiel, S E, 4 l.
From the Kiel to Femeren, E and by N, 8 l.
From Femeren to the Trave of Lubeck, S S W, 10 l.
From the Trave of Lubeck to the Wismer-deep, first N E and by N, then E N E, in all 9 l.
From Rostick to Robbenes, N E, 5 l.
From Robbenes to Dorneboſch, N E and by E, 6 leag. and a half

Thwart Courses over Sea.

From Femeren to V Vismer-deep, S and by E, 6 leag. and a half
From Femeren to Rostick, E S E, 8, or 9 l.
From Femeren to Gester-riff, E and by N, 9 l.
From the Trave of Lubeck to Gester-riff, N E 18 leagues & a half
From V Vismer-deep to Gester-riff, N N E, 12, or 13 l.
From Rostick to Gester-riff, North, 7 l.
From Gester-riff to Dorneboſch, East, 9 l.
From Gester to Meun, N E, 6 leagues and a half
From Meun to Steden, N W and by N, 4 l.
From Meun to Falsterborn, N and by E, 5 l.

From Meun to the Buy upon Falſterborn, North, 4, or 5 leagues
From Falſterborn to Bruntholm, E, 20 l.
From Falſterborn to the Northward of Bruntholm, E & by S, 20 l.
But to the Southward of Bruntholm, E and E, and by South, 22 leagues and a half
From Wtſtee to the north point of Bruntholm, E and by S, 8 l.
From Meun to Bruntholm, E and by N, 21 l.
From Steden to the North end of Bruntholm, E and by N, 24 l.
From Falſterborn to Whitmond, S E, 20 l.
From Falſterborn to Dornboſch, S S E, or ſomething eaſterly 14 l.
From Meun to Whitmond, E S E, 12 or 13 l.
From Meun to Dornboſh, S E, 9 l.
From the Jell to the point of Dornboſh, N and by W, 2 l.
From Dornboſh to Whitmond, N E and by E, 4 l.
From Whitmond to Jaſmond, E S E, 3 l.
From Jaſmond to the Peert, S S E, 3 l.
From Dornboſch to the North-end of Bruntholm, N E and ſomewhat eaſterly, 18 leagues and a half
From Dornboſch to the South-end of Bruntholm, N E, and by E 18 leagues and a half
From Whitmond to the North-end of Bruntholm, N E and by N, 14 leagues and a half
To the South-end, N E and by N, 13 l.
From Jaſmond to the South-end of Bruntholm, N E, 13 l.
From the Peert to the South-end of Bruntholm, N E and by North, 14 leagues and a half
From Jaſmond to Comyn, E S E, 18 leagues and a half.

Cap. V. *The Coaſt of Pomeren, Pruyſland, and Courland.*

From Statyn to Ryga and Parnout.

Coaſting along the Coaſt.

From New-deep to Colbergen, E, and E and by N, 16, or 17 l.
From Comyn to Colbergen, N E and by E, 4 l.
From Colbergen to Coſlin, N E, 4 l.
From Coſlin to Ruwolde, N E and by N, 5 l.
From Ruwolde to Garſ-head, N E and by N, 4 l.

From

From Garſ-head to Reefcol, N E and by E, 4 leagues.
From Reefcol to Lyba, E N E, 6 leagues and a half.
From Lyba to Serneviſſe, E N E, 5 l.
From Serneviſſe to the Roſe-head, E N E, 4 l.
From Colbergen to Graſ-head, N E and by N, 13 l.
From Reefcol to Roſe-head, E N E, 16 l.
From Roſe-head to Axternes, S E, 4 l.
From Axternes to Vernorden, S E, 1 great l.
From Vernorden to Heel, S S E, 1 great l.
From Heel to Dantzick, S and by W, 5 l.
From the Cheſt or Wiſſel of Dantzick, to the Deep of Quinſbrough, or Mouth of the River of Coninck-bergen, E N E, and N E and by E, 13 l.
From Coninck-bergen Deep to the Point of Bruſter-ort, N, and N and by W, 4, or 5 l.
From Bruſterort to the Deep of Der-Memel, N N E, 16, or 17 l.
From Der-Memel to Heyligena, N and by E, 4 l.
From Heyligena to the Point of Sevenbergen, N and by E, 5 l.
From Sevenbergen to Derlyba, N, and N and by E, 4, or 5 l.
From Derlyba to Derwinda, N and by E, 16, or 17 l.
From Derwinda to Luſercort, N E, 4 l.
From Luſeroort to Domeſnes, E N E, 12, or 13 l.
From Domeſnes to Round, or Kurnen, E and by N, 8 l.
From Round to Duynemond, the Mouth of the River of Riga, or Rye, S S E, and S E and by S, 16 l.
From Domeſnes to Rye, or Duynemond, S E, 21 l.
From Duynemond to Lemſael, or Sales, N E and by N, 10 l.
From Duynemond, or the Rivers mouth of Rye, to the Iſland Kin, N and by E, 14 l.
From Round to the Iſland Kin, E N E, 10 leagues and a half.
From Domeſnes to the ſouth end, or Road of Oeſſel, N W, 3 l.
From Domeſnes to Ambrook, North, 5 l.
From Round to Ambrook, N W, 8 l.
From the ſouth end of Oeſel to Arents-berg, N N E, 10 l. & a half
From the North-eaſt point of Oeſell to Parnour, E S E, 16 l.
From Arents-berg to the N E point of Oeſell, E N E, 8, or 9 l.
From Ambrook to the N E point of Oeſell, N E, and well Northerly, 10 l.

From

From Round to the North-eaſt end of Oeſel, North, 13 leagues.
From Lemſael to Parnout, N and by E, 9 l.

Thwart Courſes over Sea.

From the ſouth end of Bruntholm to the Swyn, South, 13 l.
From the ſouth end of Bruntholm to Colbergen, S E, 16 l.
From the ſouth end of Bruntholm to Reefcol, E, and E & by S, 24 l.
From the ſouth end of Bruntholm to the Eerts-holms, N, 4 l.
From the north end of Bruntholm, or from the Eerts-holm to Roſe-head, E, and E and by S, 40 l.
From Bruntholm to Der Memel, E and by N, 66 l.
From Bruntholm to Der Lyba, E & by N, ſomewhat Notherly, 68 l.
From Bruntholm to Der Winda, N E and by E, 80 l.
From Bruntholm to Ooſtergaerde, N E, or well northerly 62 l.
From Bruntholm to Houbrough or the South-end of Gotland, N E and ſomewhat Northerly, 50 l.
From the North-end of Bruntholm to Souther-orden, the South end of Oeland, N E and by N, 25 l.
From the South-end of Bruntholm to Souther-orden, N N E 26 l.
From Bruntholm to Derklippen, or to the Rocks or out Rocks, N E, 18 leagues and a half.
From Bruntholm to Hanno, N and by E, 12 l.
From the North-end of Bruntholm to Sandhamer, N W, 5 l.
From the North-end of Bruntholm to the point of Goeſ-beer, W N W, 5 l.
From the north point of Bruntholm to Wtſteed, W and by N, 8 l.
From Roſe-head to Coninerbergh, or Quinsbrough-deep, E and by South, 17 l.
From Heel to Quinsbrough-Deep, E, 13 l.
From Roſe-head to Der Memel, N E and by E, 29 l.
From Roſe-head to Sevenbergen, N E, 33 l.
From Roſe-head to Der Winda, N E and by N, 53 l.
From Roſe-head to Dageroort, N N E, 80 l.
From Roſe-head to Eaſtergore, N and ſomewhat eaſterly, 45 l.
From Roſe-head to Houbrough the South-end of Gotland, N and ſomewhat weſterly, 34 l.
From Roſe-head to the South-end of Celand, N W, 33 l
From Roſe-head to Hanno, W & by N, and ſo well northerly, 38 l.
From Quinsbrough-Deep, to Houbrough, N W and by N, 48 l.

From

From Quinsbrough-Deep to the South-end of Oeland, NW and by W, and W N W, 50 l.
From Der Memel to Houghbrough, W N W, 36 l.
From Der Memel to Brusteroort, S S W, 16, or 17 l.
From Der Memel to Danzick, S W and by S, 32 l.
From Der Memel to Rose-head, S W and by W, 29 l.
From Der Memel to the Eartsholms, or the north end of Bruntholm W and by S, 66 l.
From Der Memel to Houbrough, W N W, 37 l.
From Sevenbergen to Rose-head, S W, 33 l.
From Sevenbergen to Southeroorden, W and somewhat southerly, 45 l.
From der Winda to Rose-head, S W and by S, 57 l.
From der Winda to Bruntholm, S W and by W, 80 l.
From der Winda to Houbrough, W and by S, 37 l.
From der Winda to Eastergore W, 29 l.
From der Winda to the Gotsche-sand, N W & by W, 31, or 32 l.
From der Winda to Dageroort, N & by W, somthing westerly, 33 l.
From Luseroort to Houbrough, W & by S, & well Southerly, 40 l.
From Luseroort to the point of Aland, N N W, 58 l.

Cap. VI. *The Coast of Lysland, Russia, and Finland.*

From Rye to Wyborgh.

Coasting along the Coast.

From the South point of Oesel to Hondsort, N N W, 16 l.
From Hondsort to the point of Dagerort, N N W, 8 l.
From Dagerort to Syburghnes, N E, 6 leagues and a half.
From Syburghnes to the Oxeholm and the Grasholm, S E, 6 l.
From the Grasholm to the great tree upon Oesel, S S E, 6 leagues and a half.
From Syburghnes to Oetgensholm, E N E, and N E and by E, 6 leagues and a half.
From Oetgensholm to great Roge, E and by N, 4 l.
From great Roge to Surp, E, 4 l.
From Roge to Nargen, E, 5 l.

From

From the S end of Nargen to the Iſland Wolf, E and E & by N, 4 l.
From Revel to the Wolf, N and by W, 5 l.
From the Wolf to Wranger, E S E, 2 leagues and a half
From the Wolf to Kocxſchaer, E and by N, 2 leagues and a half.
From Kocxſchaer to the eaſt end of Wranger, S, 1 great l.
From Kocxſchaer to little Wranger, S E and by S, 2 l. and a half
From Wranger to Eckholm, E and by S, 13 l.
From Eckholm to the Caſtle of Telsburgh, Eaſt, 5 l.
From Telsburgh to the Road of the Narve, E and by S, 16 l.
From the Road of the Narve to the Ruſs-haecks, N & by W, 5 l.
From the Ruſs-haecks to the River Nioa, or Oreſchack, E N E, 14 l.
From Oreſchack to the Rode-hell, N and by E, 14 leag. & a half.
From the Ruſs-haecks to the Red-hell, N E & by N, 26 l. & a half
From the Ruſs-haecks to the Iſland Rette-Sarre, N N W, 5 l.
From Rette-Sarre to Sommers, N, or ſomewhat Eaſterly, 5 l.
From Eckholm to the Iſland Highland, N E, 11, or 12 l.
From the weſt ſide of Highland to the Road of the Narve, S E, 16 l.
From Highland to the little Tutters, S W and by S, 3 l.
From Highland to the great Tutters, S and by E, 2 leagues & a half
From the Iſland with the Maſt to the little Tutters, E and by S, 2 leagues and a half
From the Kocxſchaer to the Iſland with the Maſt, E & by S, 20 l.
From the Iſland with the Maſt to Highland, N E & by E, 4 l.
From Kocxſchaer to Highland, E N E, and ſomewhat Eaſterly, 22 leagues and a half
From Highland to the Sommers, Eaſt, 6 leagues and a half
From the Sommers to the Goeſchaer, or great Fiſher, N E, ſomewhat Eaſterly, 6 leagues and a half
From the great Fiſher to the little Fiſher, N E and by E, 4 l.
From the little Fiſher to Corſnes, E N E, and ſomewhat more Eaſterly, 1 great leag e.
From Corſnes to the Rode-hell, N E and by E, 3 l.

Thwart Courſes over Sea.

From Dagerorte to Roſe-head, S S W, 80 l.
From Dagerorte to Eaſtergore, S W, 37 l.
From Dagerorte to Godtſch-ſand, S W and by W, 26 l. & a half
From Dagerorte to Boeckſchaer, W & by N, 21 l.
From Dagerorte to the point of Alandt, N W & by N, 20 l.

From

From Oetgens-holm to the Out-rocks of Luys, N & by E, 15 l.
From Syburghnes to the Mouth of Abbo, or Ulroy, N W, 20 l.
From Utroy to Ercke, the outermost Iſland of Alandt, W, 9 l.
From Utroy, or Abbo, to the Mouth of Luys, E, 21 l.
From Luys to the Channel of Elſenvos, E, & E & by N, 15, or 16 l.
From Nargen to the Channel of Abbo, W and by N, 32, or 33 l.
From Nargen to the Channel of Elſenvos, N N E, 16 l.
From Nargen to the Out-ſchaeren or Out-rocks of Luys, North North Weſt, 13 l.
From the Wolf to Peltingſchaers, N E, ſomewhat Eaſterly, or N E and by E, 20 l.
From the Channels Mouth of Elſenvos to Pelting-ſound, E, and E and by S, 11, or 12 l.
From Pelting-ſound to Putsfagre, E and by N, 5 l.
From Putsfagre to the Eſpelſchaers, E, 6 leagues and a half.
From the Eſpelſchaers to the Boetſchaer or great Fiſher, E N E, 10 leagues and a half.
From Eckholme to Elſenvos, N W, 21 l.
From Highland to Pettingſchaers, W N W, 8 l.
From Highland to Putsfagre, N and by W, 6 leagues & a half
From the Channel of Abbo to Boetſchaer, S W & by S, 16 l.

Cap. VII. *The Coaſt of Schonen & Sweden.*

Between Brunthalm and Stockholm, as alſo the Iſlands of Gotland and Oeland.

Along the Coaſt.

From Sandhamer to Somerhaven, N E & by N, 1 great league
From Somerhaven to Ahuys, N, 5 l.
From Ahuys to Hanno, E N E, 3 l.
From Hanno to Derhlippen, or the Rocks, E & by S, 11, or 12 l.
From the Rocks to the Outlyers, N E and by N, 1 great league.
From the Outlyers to Criſtianopell, N E & by E, 6 leag. & a half.
From the Rocks to Kalmer, N N E, 15, or 16 l.
From the Rocks to the ſouth end of Oeland, E N E, 8 l.
From Sandhamer to the Rocks, N E and by E, 18 leagues & a half.

From the north point of Bruntholm to Ahuys, N and by W, somewhat northerly, 10 leagues and a half.
From the north point of Bruntholm to Hanno, N and by E, 12 l.
From the north point of Bruntholm to the Rocks, or Derhlippen, North East, 16 l.
From the N point of Bruntholm to Southerorden, N E & by E, 21 l.
From the south end, or east end of Bruntholm to the Rocks, North North East, 18 leagues and a half
From the east end of Bruntholm to Southerorden, N E, 24 l.
From Kalmer to Scheggenes, N N E, 4 l.
From Scheggenes to the Swedes Joufer, N N E, 6 leagues & a half
From the Swedes Joufer to the Idesound, the Channel of Westerwyck, or Silbuy, N and by W, somewhat westerly, 8 l.
From the Swedes Joufer to Norther-orden, the north end of Oerland, E and by N, 3, or 4 l.
From Norther-orden to the Channel of Westerwyck, N W, 9 l.
From Norther-orden to Barsound, N and by W, 16 l.
From Norther-orden to the Havering, or the Channel of Nykopping, North, 21 l.
From Norther-orden to Hartsoe, N & by E, 22 leagues & a half.
From Norther-orden to Landsoort, N N E, something norther. 24 l.
From Havering to Landsoort, E N E, 8 l.
From Houbrough to Eastergore, N E, 12, or 13 l.
From Eastergore to Faro-sound, N, and N & by E, 6 leag. & a half
From Faro-sound to Gotsche-sand, N N E, and N and by E, 6 l.
From Houbrough to the Karels, N and by W, 6 leagues & a half
From the Karels to Wisbuy, N E, 6 leagues & a half
From the Karels to Gotsche-sand, N E, and N E and by E, 21 l.

Thwart Courses over Sea.

From Souther-orden to Reekol, S S E, 24 l.
From Souther-orden to Rose-head, S E, 133 l.
From Souther-orden to Quinsbrough-deep, S E & by E, & E S E, 48 l
From Souther-orden to Der Memel, East, 48 l.
From Souther-orden to Sevenbergen, East. 48 l.
From Souther-orden to Derwinda, E N E, and E and by N, 57 l.
From Souther-orden to south end of Gotland N E. & ealterly, 24 l.
From Souther-orden to the great Karel, N E & by N, 26 l. & a half
From Houbrough to the north end of Oeland, W N W, 12 l.

From

From the Karels to the Swedes Joufer, W and by N, 13 leagues.
From the Karels to the Channel of Stockholm, North, a little more westerly, 21 l.
From the Karels to Boeckſchaer, NNE, 40 l.
From Gotſche-ſand to the Boeckſchaer, N E and by N, a little more northerly, 21 l.
From Gotſche-ſand to the ſouth Point of the Alands Haff, N, and N and by E, 33, or 34 l.
From Gotſche-ſand to Uttoy, NNE, 26 l.
From Gotſche-ſand to Dagerort, N E and by E, 26 leag. & a half
From Gotſche-ſand to Derwinda, S E and by E, 32 l.
From Eaſtergore to Dagerort, N E and by E, 37 l.
From Eaſtergore to Derwinda, East, 26 leagues and a half.
From Eaſtergore to Quinsbrough-deep, S S E, 51 l.
From Eaſtergore to Roſe-head, South, 45 l.
From Houbrough to Hondſort, E N E, and N E and by E, 46 l.
From Houbrough to Luſerort, E and by N, 38 l.
From Houbrough to Derwinda, E and by N, 37 l.
From Houbrough to Der-Memel, E S E, 40 l.
From Houbrough to Quinsbrough-deep, S S E, 46 l.
From Houbrough to Roſe-head, South, 34 l.
From the north end of Gotland to Derwinda, E S E, ſoutherly, 29 l.

CAP. VIII. *The Eaſt Coaſt of England, and Scotland.*

From the North-Foreland unto Hitland.

Along the Coaſt.

FRom the North-Foreland to the North end of the Goodwin, E and by S, 1 league and a half.
From the North-Foreland to Kentiſh-knock, N and by E, and N N E, 45 or 51.
From thence to Orfordnes, North, 121.
From the Foreland to the Galloper, N E and by N, 91.
From the Galloper to Orfordnes, N N W, 101.
From Albrough to Kafty, N and by E, 71.
From Kafty to Leiſtaff, North, 2 leagues and a half.

From Leiſtaff to Yarmouth, South, 3 leagues.
From Yarmouth to Winterton, N N W, 2 leagues and a half.
From Winterton to Haesbergerort, N W, 2 leagues and a half.
From Haesborgh to Cromer, N W and by W, and W N W, 4 l.
From Cromer to Blackney W N W, 3, or 4 l.
From Blackney to Burnum, to ſayl through within the Sand, Weſt, 6 leagues and a half
From Burnum to Chappel, W S W, 2 leagues and a half
From Chappel to Elle-knock, or the north Point of Boſtons-deep, N W and by N, 5 l.
From thence to the north Point of Humber, N, and N and by W, 6 leagues and a half.
From the north Point of the Humber to Flambrough-head, North North Weſt, 9 l.
From Flambrough-head to Feley, N W, 2 leagues and a half.
From Feley to Scarbrough, N W, 2 leagues and a half.
From Scarbrough to Whitby, N W and by W, 5 l.
From Whitby to the Teeſe, firſt W N W, Then W and by N, 6 leagues and a half.
From the Teeſe to Tinmouth, N N W, 8, or 9 l.
From Whitby to Tinmouth, the Courſe is N W, and S E, 16 l.
From Tinmouth to the Cocket Iſland, N N W, 8, or 9 l.
From Tinmouth to the Staples, N and by W, 16 l.
From the Staples to Barwyck, W N W, 3 l.
From Barwyck to St. Abbens-head, N N W, 5 l.
From the Staples to St. Abbens-head, N W, 9 l.
From St. Abbens-head to the Bas, Weſt, 2 leagues and a half.
From the Bas to Inekiff, W, and W and by N, 5 l.
From St. Abbens-head to the Iſland May, N W, 2 leagues & a half
From St. Abbens-head to Fiſhnes, N W and by N, 4 large leagues
From Fiſhnes to Dondee, N N W, 5 l.
From Red-head to Monros, N W, 4 l.
From Monros to Stone-bay, N E and by N, 4 l.
From Stone-bay to Boeckenes, N N E, ſomewhat northerly, 16 l.
From Aberdin to Boecknes, N N E, 12 l.
From Boecknes to Phylort, or Spyloort, N N W, 2 leagues & a half
From Phylort to the Point of Elgin, Weſt, 20 leagues and a half
From the Point of Elgin to the Haven of Roſs, or Luvernes, Weſt and

and by South, somewhat southerly, 6 leagues and a half.
From Cape de Terbato to Catnes, N E and by N, 16 leagues.
From Catnes to Ilhoy, W N W, 5 l.
From Boecknes to Catnes, N W, 21 l.
From Boecknes to Orcaneys, N and by W, 26 l.
From the north Point of Orcaney to Fairhill, N E, 10 l.
From Fairhill to the south end of Hitland, N N E, 7, or 8 l.
From the south end of Hitland to the Island Rona, W S W, 45 l.
From the north end of Hitland to Rokoll, W S W, 128 l.

Thwart Courses over Sea.

From the Foreland to Flushing, East, somewhat northerly, about 26 leagues and a half.
From the Foreland to the Maze, E N E, or somewhat easterly, 33 l.
From the Foreland to the Tessel, or Mars-deep, N E, 45 l.
From the Naze or Harwitch, to the Maes, E, 29 l.
From Orfordnes to Tessel, E N E, 37 l.
From Yarmouth, or Leistaff, to Walcheren, or the Wielings, S E, and S E and by S, 39 l.
From the point of Crommer or Schield, to the Tessel, E, 41 l.
From the N point of Humber to the Tessel, E & by S, & E S E, 59 l.
From Tinmouth to Schuytenes, N E, 103 l.
From Tinmouth to the Naze in Norway, N E and by E, somewhat easterly, 102 l.
From Tinmouth to the Scaw, E N E, 135 l.
From Tinmouth to Holyland, E & by S, somewhat Easterly, 106 l.
From Fifsnes to Stone-bay, N and by E, 16 l.
From Boecknes to Hanglip, or the south end of Hitland, N and by E, 53 l.
From Boecknes to Schuytnes, E and by N, 69 l.
From Boecknes to the Naze, E, well to southerly, 90 l.
From Boecknes to Boevenbergen in Jutland, E and by S, 103 l.
From Boecknes to Holy-land, S E & by E, something easterly, 122 l.
From Boecknes to the Tessel, S E, and well to southerly, 125 l.
From Boecknes to the Holms before Yarmouth, S S E, somewhat easterly, 98 l.
From Aberdin to the Holms before Yarmouth, S E & by S, 93 l.
From the south-end of Hitland to the Islands Fero, W N W, and N W and by W, 61 l.

From

From the north-end of Hit-land to the south-end of Fero, W, and W and by N, 58 l.
From Hitland to the east Point of Yſland, NW & by W, 133 l.
From the north-end of Hitland to Gryp, NE and by E, 125 l.
From Hit-land to Stadt, ENE, 69 l.
From Fero to Rona, S and by E, 46 l.
From the south-end of Fero to Rokol, SW, well so westerly, 85 l.
From Rona to Lewis, SW, 16 l.
From the north-end of Lewis to St. Kilda, SW, 16 l.
From the south-end of Lewis to the north west point of Ireland, S§W, 26 l.
From St. Kilda to the north-end of Hitland, NE and by E, 93 l.

Distances and Courses how to Sayl

From Hitland to Yſland, the Straits of David, States-point, and John Mayens Iſland.

From the South-end of Hitland to the South west point of Yſland, WNW, half a point westerly, 260 l.
From the south west point of Yſland, to the Clift of Reykenes, N, 6 leagues and a half.
From the Clift of Reykenes to the Haven of Hanifioert, ESE, 16 l.
From the south west Point of Yſland to Staten-point, WSW, somewhat westerly, 248 l.

Distances and Courses,

From Hitland to John Mayens Iſland, N, and N and by W, at the half, or about a point, 213 l.
From the north end of John Mayens Iſland to the north Cape, E, somewhat northerly, yet but very little, 226 l.
From the north end of John Mayens Iſland, to the southermost Point of Spitzberg, WNW, and half a Point notherly, 220 l.
From the south end of John Mayens Iſland, to the Iſland Gryp on the Liet of Dronten, NW, and a little northerly, 196 l.
From the south end of John Mayens Iſland to Langenes, the north east Point of Yſland, SW, and half a point westerly, 148 l.
From the North corner to the South corner, NE & by E, 12 l.
From the North corner to the South-east corner of the little Sandy-bay, NE and by N, and NNE, 3 l.
From little Sandy-bay to Eyer-Iſland, or the Iſland of Egges, or the begin-

beginning of the great Point or Wood-bay, E & by S, 1 l. & a half.
From the Eyer-Island to the first Rock that is like unto the Sayl of a ship, S W and by W, 2 l.
From the first Rock to the second Rock, which also is like the Sayl of a ship, W, a little thought southerly, 2 l.
From the second Rock to South corner, S W, 3 l.
From the S corner to the five or seven Rocks, N W, half a league.
From the South corner to the low South corner, or the Hoy-berg, or Hay-stack, N, E, a great league.
From the Hoy-berg to the South bay, N E, 1 league and a half.
From the Fowly-rock to the Hoepstock-bay, N E, 1 large league.
From the Fowly-rock to the Rudsen, N E, 2 l.
From the Rudsen to the Brielliſh-Steeple, N E & by N, 1 large leag.
From the Brielliſh-Steeple to Mary-Mus-bay, E & by N, 1 l. & half
From Mary-Mus-bay to Muyens second croſs corner, North East, 1 large league and a half.
From Muyens croſs corner to the north corner, East, 3 l.

Diſtances and Courſes.

From the North Cape to Bears-Island, N N W, and N W and by West, 71, or 72 l.
From Suroy to Bears-Island, N N W, 66 l.
From Bears-Island to Hoopen-Island, N E and by N, 42 l.
From the South-west to the North-east corner of Hoopen-Island, E N E, 6 leagues and a half.
From the North-east corner of the Hoopen-Island to Black-point, N and by W, 13 l.
From the Bears-Island to the Cape the Uyt-kyck, N N W, somewhat westerly, 37 l.
From Cape the Uyt-kyck to Horn-zond, N N W, 8 l.
From Horn-zond to the Bel-zond, N & by W, & N N W, 9 l.
From Bel-zond to Yce-zond, N and by W, 19 l.
From the south end to the north end of the Foreland, N, 20, or 21 l.
From the north corner of the Foreland to the Danes-Island, N E, and northerly, 12 l.
From Magdalene-bay to Robbe-bay, N N E, 2 leagues and a half.
From Robbe-bay to the South-bay, N N E, a large half league.
From Devils-Island to the Vogel-sang, East North East, and Easterly, 1 league and a half.

From

From the Voget-sang to the Zews Uyt-kyck, S E, and Easterly, 1 league and a half.
From the Zews Uyt-kyck to Moniers-bay, S E, half a large league
From Moniers-bay to the Red or Rop-bay, E S E, 1
From the Red-bay to Reene-velt, E & E, 16 leagues and a half.
From the Zews Uyt-kyck to Reene-velt, E S E, 13 l.
From the Reene-velt to the Gray-corner, S E, 4 l.
From the Reene-velt to the Moffen-Island, N E and by N, 45 l.
From Orlogenes to the Cape Candenoes, N E, N, 46 l.
From Candenoes to the Island Colgoye, E and by S, 26 l.
From Candenoes to Swelgenoes, S E and by E, 29 l.
From Candenoes to the Island Morsonowits, S E, 13 l.
From Candenoes to Tussara, E S E, 42 l.
From Tussara to Colcova, E 6 leagues and a half.
From Colcova Pitsana, E and by N, 6 leagues and a half.
From Pitsana to Pitsora, E and E and by N, 13 l.
From Pitsora to Way-gats, about N E and by E, 15 l.
From Catsnoes to the Islands of Solofky, W a little southerly, 37 l.
From Catsnoes to Warsig, N W and by W, 16, or 17 l.
From Catsnoes to Polongi, N W & by N, 22 leagues and a half.
From the Islands of Solofky to Ombay in Lapland, N, 32, or 33 l.
From Solofky to Warsia, E N E, 32 l.
From Solofky to Polongi, N E and by E, 50 l.
From Candenoes to Costintzarch in Nova Sembla, N E & by E, 61 l.
From the east end of Colgoyen to Way-gats, E, 60 l.
From Pitsora to the east end of Colgoya, W N W, 42 l.
From the Lowland to the Stream-bay, E and W, 5 l.
From the Stream-bay to Yce-havens-corner, E and by N, 4 l.
From Yce-havens-corner to the Islands corner, East North East, 16 leagues and a half.
From the Islands corner to Vlissinger-head, N E and by E, 41 l.
From Vlissinger-head to the Head-corner, N E, 5 l.
From the Head-corner to the corner of Begeerten (or Desire) S and N, 81.
From the corner of Begeerten to the Islands of Oranjen, N W, 9 l.
From the Islands of Oranjen to the Yce-corner, W, and W and by South, 6 leagues and a half.
From the Yce-corner to the Cape Trost, or Comfort, W, & W and by S, 33 l.

From

From the Cape of Comfort to the Cape Naſſow, W & by N, 13 l.
From the Cape Naſſow to the Eaſt end of the Croſs-Iſland, W and by N, 10 leagues and a half
From the eaſt end of Croſs-Iſland to Wilhelms-Iſland, W & by S, 4 l.
From Wilhelms-Iſland to the Black-corner, W S W, 8 l.
From the Black-corner to the Eaſt end of the Admiraliteyts Iſland, W S W, 9 l.
From the Eaſt-corner to the Weſt-corner of the Admiraliteyts Iſland, W S W, 6 leagues and a half
From the Weſt corner of the Admiraliteyts Iſland to the Capo de Plancio, S W and by W, 13 l.
From Capo de Plancio to Lomsbay, W S W, 10 leagues & a half
From Lomsbay to the Staten, or States corner, W S W, 13 l.
From the States corner to Langenes, S W by S, 18 leagues & a half.
From Langenes to the Capo de Cant, S W and by S, 8 l.
From the Capo de Cant to the corner with the Black-rock, South and by Weſt, 5 l.
From the corner with the Black-rock to the Black Iſland, S S E, 4 l.
From the Black Iſland to Conſtintzarck, E & W, 2 leagues & a half
From Conſtintzarck to the Croſs-corner, S S E, 6 leagues & a half
From the Croſs-corner to St. Laurence-bay, S E, 8 l.
From St. Laurence-bay to Meel-haven, S S E, 8 l.
From Meel-haven to the two Iſlands, S S E, 21 l.

CAP. IX. *The Coaſt of Norway.*

From the Naze to the North-Cape.

Stretching alongſt the Shore.

FRom the Naze to Hitteroe, W N W, 5 leagues.
From Hitteroe to Ekeſound, N W, 4 l.
From Ekeſound to Sierowach, N W and by N, 2 leagues and a half
From Sierowach to Mids-Jedder, N W & by N, 2 leagues & a half
From Mids-Jedder to Rut, N N W, 4 l.
From Rut to the Veetſtone, N and by W, 2 l.
From the Veetſtone to Sybrichſtone, N N E, 4 l.
From Veetſtone to Schuytenes, N N W, 5 l.
From Sybrichſtone to Schuytenes through within W Whitings-eye, W Weſt, 5 l.

From the Naze to the Out-seers, NW, 29 leagues.
From Schuytenes to Bommels-head, NNVV, somewhat Northerly, 6 leagues and a half.
From Bommels-head to Cruys-foort, NNW, 9 l.
From Cruys-foort to Harle, NNW, 13 l.
From Schuytenes to the Out-seers, W, and W and by N, 4 l.
From the Out-seers to Jeltefioerd, or the Wage of Bergen, North and by VVest, 26 l.
From Jeltefioerd or the Wage of Bergen, to the Rocks of Out-weer, NNW, and N and by W, about 11, or 12 l.
From the Out-weers Rocks to Olde, NNW, and N and by W, 4, or 5 leagues.
From Olde to Kin, N and by E, and NNE, 4 l.
From Olde to Ornael, N, and N and by E, 7, or 8 l.
From Ornael to the South point of Stade, NNE, 3 l.
From the South point of Stade to the North point, NNE, 8 l.
From the North point of Stade to Swyno, NE, and NE and by North, 4 l.
From Swyno to the outermost of Flowach, or the Broad-sound, NE and by E, 4 l.
From the North point of Stade to the Island Hessen, or the Broad-sound, NE, 8 l.
From Hessen to Goeden, E, and E and by S, 2 leagues and a half
From Swyno alongst without the Roemsdaels Rocks to Boede, the Course is NE and by N.
From Stemmes-hest to Gryp, NE and by E, 6 leagues and a half
From Gryp to the Islands of Momendael, NE, 18 leagues & a half
From Gryp to Holy-land, NE and by E, 26 leagues and a half
From Gryp to Rust, N, and N and by E, 64 l.
From the Island Tromsound to the west end of Suroy, ENE, 14 l.
From the East-end of Suroy to Ingen, E and by N, 6 leag. & a half.
From Helmes-huy to the North-cape, E and by N, 5 l.
From the North-cape to North-kyn, E and by S, 12, or 13 l.

Thwart Courses over Sea.

From Schuytenes to the Flye, S and by E, somewhat southerly, 106 l.
From Schuytenes to the Tessel, S, and S and by E, 111 l.
From Schuytenes to Walcheren, South, 140, or 142 l.
From Schuytenes to the Holms before Yarmouth, South and by West,

West, somewhat westerly, 113, or 114 leagues.
From Schuytenes to Flambrough-head, S W & by S, 104, or 106 l.
From Schuytenes to Tinmouth, S W, 104 l.
From Schuytenes to Boeckenes, W & by S, something southerly, 72 l.
From Schuytenes to Hitland, W and by N, and W N W, 66 l.
From Schuytenes to the North end of Hitland, W N W, somewhat northerly, 71, or 72 l.
From the Out-seers to the Flye, S and by E, 103, or 104 l.
From the Out-seers to the Rocks Out-weers, N and by W, 40 l.
From Jeltefioerd or the Wage of Bergen, to Hitland, W, 48 l.
From Jeltefioerd or the Wage of Bergen, to the North end of Hitland, W, and W and by N, 50 l.
From Stade to the North-end of Hitland, W S W, 69 l.
From Stade to the East point of Yſland, W N W, 200 l.
From Stade to Greenland, N W, about 333 l.
From Gryp to the North end of Hitland, S W and by W, 125 l.
From Gryp to the South-end of Fero, W S W, 166 l.
From Gryp to the East point of Yſland, W, & W & by N, 233 l.

Cap. X. *The Coaſt of Lapland, and the White Sea.*

Coaſting along the Shore.

From the North-cape to the North-kyn, E and by S, 13 l.
From the North-kyn to the Tane-bay, E S E, 10 leag. & a half
From Tane-bay to Matkorf or Ward-houſe, S E and by E; S E, and S E and by S, 16 l.
From Ward-houſe to the Point of Kegor, S E & by S, E and by S, 10 leagues and a half.
From Kegor to Laus, S E and by S, somewhat easterly, 9, or 10 l.
From Laus to the River of Kool, S & by E, & S S E, 10 leag. & a half
From Laus to Kilduyn, S E & by S, something easterly, 10 l. & a half
From Kilduyn to the point of Tierrebirry, S E & S, S & by E, 5 l.
From the point of Tierrebirry to the seven Iſlands, S E & by S, 13 l.
From Tierrebirry to Swetenoes, S E and by S, 40 l.
From Swetenoes until two miles past Lombaſcho, S S E, 16 l.
From thence to Orlogenes, South, 9 l.
From Orlogenes to the Three Iſlands, South, 2 leagues and a half.

From the three Islands to Ponnoy, S W & by S, 2 leagues & a half
From the three Islands to the Cross-Island Sousnowits, S W, 20 l.
From the Cross-Island to Catsnose, or the Gray-point, S W, 20 l.
From the Gray-point to the River of Arch-angel, S & by W, 13 l.
From the Mouth or Bar of Arch-angel to the Salt-Island, South, somewhat westerly, 6 leagues and a half
From the Salt-Island to the Cape Onega, W, & W & by N, 18 l.
From Cape Onega to the Islands Solofky, N W and by W, 20 l.
From the Cross-Island to Warsiga, W S W, and W & by S, 24 l.
From Warsiga to the point Tauria, W and by N; and W N W, and N W, 37 l.
From the point Tauria to Volna Ostrove, N N W, 2 l.
From Volna Ostrove to the Gouba Easterly of Ombay, N N E, 2 leagues and a half
From Ombay to Candalax, N W and by W, 13 l.

Thwart Courses over Sea.

From Orlogenes to Cape de Candenoes, N E, 46 l.
From Candenoes to the Island Colgoye, E and by S, 26 l.
From Candenoes to Swelgenoes, S E and by E, 29 l.
From Candenoes to the Island Morsonewits, S E, 13 l.
From Candanoes to Tussara, E S E, 43 l.
From Tussara to Colcova, East, 6 leagues and a half.
From Colcova to Pitsana, E and by N, 6 leagues and a half.
From Pitsana to Pitsora, E, and E and by N, 13 l.
From Pitsora to Waygats, about N E and by E, 14, or 16 l.
From Catsnoes to the Islands of Solofky, West, or somewhat more southerly, 37 l.
From Catsnoes to Warsiga, N W and by W, 17 l.
From Catsnoes to Pologni, N W and by N, 22 leagues and a half.
From the Islands of Solofky to Ombay in Lapland, N, 32, or 33 l.
From Solofky to Warsiga, E N E, 32 l.
From Solofky to Pologni, N E and by E, 50 l.
From Candenoes to Costintzarck in Nova Sembla, N E and by E, about 61 l.
From the East end of Colgoyen to Waygats, East, 60 l.
From Pitsora to the east end of Colgoya, W N W, 43 l.

The Second Part,

Containing the Distances and Thwart Courses of the Western Navigation.

Cap. I. *From Tessel to the Heads of Dover.*

Along the Coast.

From Tessel to the Maes, S S W, 24 leagues.
From Flushing to Blanckenbrough, almost W S W, 9 l.
From Blanckenbrough to Oostend, S W and by W, 21 l.
From Oostend to Newport, W S W, 3 l.
From Newport to Dunkirk, W S W, 5 l.
From Dunkirk to Graveling, W S W, 4 l.
From Graveling to Callice, W S W, 4 l.
From Callice to Callice cliff, S W and by V V, 1 great league.

Thwart Course over Sea.

From Tessel to the Heads, or the Strait between Callice and Dover, S V V, somewhat southerly,
From Tessel or Maersdeep to Callice-cliff, S W and by S,
From Tessel to the North-Foreland, S V V,
From Tessel to Orfordness, V V S V V,
From Tessel to Yarmouth, W S W,
From Tessel to Schield or Cromer, V V,
From Tessel or Maersdeep to Flambrough-head, W N W,
From the Maersdeep to Leith in Scotland, N W and by W, somewhat Northerly,
From Maersdeep to Newcastle, W N W, somewhat northerly, 8 3 l.
From Tessel to Breckenes, N W and N, W and by N, 118 l.
From the Maersdeep to Aberdin, N W, somewhat northerly, 111 l.
From the Maersdeep to the Liet of Bergen in Norway, N, 118 l.

From

From the Maersdeep to the North-end of Hitland, N N W, about 160 l. & then you fall about 5 leag. to the eastwards of the Land.
From the Maersdeep to the Naze of Norway, N and by E, 93 l.
From the Maes or Goeree to Dover, S W and by W, somewhat westerly, 34 l.
From the Maes to the North-Foreland, W S W, somewhat westerly, 32 l.
From the Maes to the Naze, or Ness, West, 29 l.
From the Maes to Hitland, N N W, 181 l.
From Flushing to the North-Foreland, West, and somewhat southerly, 25 l.
From Flushing to Dover, W S W, 26 l.
From the Wielings to Laystaff or Yarmouth, N W, and N W and by West, 38, or 40 l.
From the Heads of Dover and Callice to the Riff of Jutland, N N E, 120 l.
From Callice-cliff to the Naze or Der Neuse in Norway, N E and by E, 153 l.

Cap. II. *Of the Coast of France.*

From the Heads of England *to* Ushant.

Alongst the Coast.

FRom Callice-cliff to Blacknes, S W, 1 league and a half.
From Blacknes to the Oldeman, South, 2 l.
From Blacknes to Somme, South, 13 l.
From Somme to Tresport, S S W, 6 leagues and a half.
From Tresport to Diep, S W, 6 leagues and a half.
From Diep to Fecam, W S W, 10 leagues and a half.
From Fecam to Struysaert, S W and by W, 2 leagues and a half.
From Struysaert to Seynhead, S S W, 2 leagues and a half.
From Seynhead to Caen in the Fosse, S S W, 6 leagues and a half.
From Blacknes to Diep, S S W, and S W and by S, 17 l.
From Blacknes to Struysaert, or Cape de Caux, S W and by S, somewhat westerly, 29 l.
From Caen to Diersliet, or the point of Barfleur, N W, 16 l.
From Diersliet to C. de Hague, W N W, 8 l.
From C. de Hague to C. de Voorha, S and by E, 6 leagues & a half

From

From C de Voorha to Granville, S S E, 9 leagues.
From Granville to Mount St. Michael, S S E, 5 l.
From Granville to the Point of Concalle, S W, 5 l.
From the Point of Concalle to the easter-channel of St. Maloes, W and W and by S, 5 l.
From the Island Sisember before St. Maloes to Cape de Farelle, W, 4, or 5 l.
From C. de Farelle to the Island Briack, W and by N, 9, or 10 l.
From the Island Briack to the Pickels, W and by S, 2 l.
From the Pickels to the seven Islands, W S W, 5 l.
From the seven Islands to the Triacle-pots, W S W, 4 l.
From the Triacle-pots, to the Isle de Bas, W S W, 9 l.
From the Isle de Bas to Ushant, W S W, 16 l.
From C. de Hague to the west end of Jarsey through betwixt Sarck and Jarsey, S S W, 9 l.
From the Caskets to the west end of Garnesey, S W and by S, 6 l.
From Garnesey to Jarsey, S E and by E, 6 leagues and a half.
From Garnesey to St. Maloes, S S E, 16 l.
From the South end of Jarsey to St. Maloes, S S E, 9, or 10 l.
From Garnesey to the rocks Rockduves, S S W, 8, or 9 l.
From Rockduves to the Manckiers, E and by S, 9, or 10 l.
From Rockduves to C. de Farelle, S E, 10 leagues and a half.
From Rockduves to the rock Camine, S and by W, 4 l.
From Rockduves to the Island Briack, S and by W, 5 l.
From Garnesey to the seven Islands, S W and by S, 16 l.
From the Caskets to St. Paul de Lion, S W, 29 l.
From the Caskets to the Fourne or Ushant, S W and by W, 45 l.

Thwart Courses.

From Blacknes to the Caskets, W S W, 48 l.
From Blacknes to the Isle of Wight, W, somewhat southerly, 27 l.
From Blacknes to Beachy, W, 20 l.
From Diep to Island V Vight, W N W, 37 l.
From Diep to Beachy, N W, 21 l.
From Diep to Dover, N, 23, or 24 l.
From Seynhead to Diervliet or the point of Sherburg, W, well northerly, 20 l.
From Seynhead to Portland, N W and by W, 38 l.
From Struysaert to the east end of wight, N W, somewhat northerly, 29 l.

From

From Struysaert to Beachy, N, 23, or 24 l.
From Struysaert to Fayrly, N and by E, 27 l.
From Struysaert to the point of Dover, N N E, 33 l.
From Cide Hague to the outermost of the Caskets, W & by N, 81.
From th eCaskets to Beachy, N E and by E, 37 l.
From the Caskets to Wight, N E and by N, 20 l.
From the Caskets to Portland, N and by W, 13 l.
From the Caskets to the Steart, W N W, 19 l.
From the Caskets to Silly, V V, somewhat northerly, 56 l.
From the Caskets to the Lizard, V V and V V and by N, 37 l.
From Garnesey to the Lizard, V V and by N, 37 l.
From the seven Islands to the Lizard, N V V and by V V, 29 l.
From the seven Islands to the Steart, N and by V V, somewhat westerly, 24 l.
From the seven Islands to Portland, N E and by N, 32 l.
From St. Paul de Lion to the Lizard, N V V and by N, 29 l.
From St. Paul de Lion to the Steart, N and by E, 29 l.
From St. Paul de Lion to Portland, N E and by N, 40 l.

Cap. III. *The Coast of England.*

From Dover about the Lands-end unto the Point of St. David.

Alongst the Coast.

FRom Dover to Dongie-nes, S V V and by V V, 9 l.
From Dongie-nes to Fairlee, V V S V V, 8 l.
From Fairlee to Beachy, V V S V V, 8 l.
From Beachy to the Owers, V V and by S, 12 l.
From neer or thwart the Owers in 12 fathom unto Dunnose the South point of V Vight, W S W, 5 l.
From Dunnose or Wolfers, by the souther most point of Wight unto the Needles of Wight, W and by N and W N W, 4 l.
From the west end, or the Needles of Wight to the point of St. Albons land, W, 4 l.
From the Needles of Wight to Portland, W and by S and W S W, 10 leagues and a half.
From Portland to Exmouth, W N W, 13 l.
From Exmouth to Turbay, S, 5 l.
From Turbay to Darthmouth, S W, 2 leagues and a half.

From

From Dartmouth to the Steart, S W, 3 leagues.
From Portland to Turbay, W, somewhat southerly, 13, or 14 l.
From Portland to Dartmouth, W and by S, 16 l.
From Portland to the Staert, West South West, somewhat westerly, 18 leagues and a half.
From the Staert to Rame-head, W N W, 8 l.
From Rame-head to the Island of Low, W S W, 5 l.
From the Isle of Low to Fox, VVest, 2 leagues and a half.
From Fox to the Dodmans-head, S W, 4 l.
From the Dodmans-head to Falmouth, W & by S, & W S W, 4 l.
From Falmouth to the Lizard, S and by VV, 4 l.
From the Staert to the Eddy-stone, or Meeusteen, VVest, or a little more northerly, 8 l.
From the Eddy-stone to Rame-head, North, 2 leagues and a half.
From Rame-head to Dodmans-head, VV S VV, 8 l.
From Dodmans-head to the Lizard, S VV, 6 leagues and a half.
From the Staert to the Lizard, VV and by S, 20, or 21 l.
From the Lizard to the Lands-end, VV N VV, 9, or 10 l.
From the Lands-end to Silly, VV S VV, 8 l.
From the Lizard to the Gulf, VV and by N, 10 leagues & a half.
From the Lands-end to the Gulf, S S VV, 3 l.
From the Gulf to Silly, VVest, 5 l.
From Silly to the Cape of Cornwal, N E, 9 l.
From the Cape of Cornwal to St. Yves, E and by N, 6 l.
From St. Yves to Stoupert-point, N E and by E, 9 l.
From Stoupert to Hartland-point, N E and by N, 9 l.
From St. Yves to Hartland-point, N E, 18 leagues and a half.
From Hartland-point to the Island Londey, North, 4 l.
From the west end of Londey to Biddeford, E S E, 5 l.
From Biddeford to Ilfercombe, E N E, 4 l.
From Londey to the Holms, E N E, 20 l.
From the Steepholm to the River of Bristol, N E and by E, 12 l.
From the Steepholm to the Naes, VV N VV, 6 leagues and a half
From the Naes to St. Gawens point, VVest, and somewhat northerly, 17 l.
From St. Gawens point to Milford-haven, N VV and by N, 4 l.
From the Island Scaline to Ramsey, N N VV, 2 leagues & a half.

Thwart Courſes over Sea.

From Beachy to Blacknes, Eaſt, 20 leagues.
From Beachy to Struyſaert, South, 24 l.
From Beachy to the Caskets, S VV and by VV, 37 l.
From V Vight to Diep, E S E, 37 l.
From the eaſt end of V Vight to Struyſaert, S E, ſomewhat ſoutherly, 29 l.
From V Vight to the Caskets, S VV and by S, 20 l.
From Portland to Seynhead, S E and by E, 38, or 39 l.
From Portland to the Caskets, S and by E, 13 l.
From Portland to St. Paul de Lion, S VV and by S, 40 l.
From Portland to Uſhant, S VV, 53 l.
From the Steart to the Caskets, E S E, 19 l.
From the Steart to the Sept-Iſles, S & by E ſomewhat eaſterly, 24 l.
From the Steart to St. Paul de Lion, S and by W, 29 l.
From the Staert to Uſhant, S W and by S, 40 l.
From the Lizard to Garneſey, E and by S, 37 l.
From the Lizard to the ſeven Iſlands or Sept-Iſles, S E & by E, 27 l.
From the Lizard to Uſhant, S, 29 l.
From the Lizard to Cape de Finiſterre, S S VV, 153 l.
☐ And that Courſe is about five leagues without the Cape.
From the Lizard to Teneriffe, S S VV, 466 l.
From the Lizard to Tercera, S VV and by VV, 386 l.
From Silly to the Caskets, E, ſomewhat ſoutherly, 56 l.
From Silly to Uſhant, S E and by S, 37 l.
From Silly to C. de Finiſterre, S and by W, a little weſterly, 150 l.
From Silly to C. Clear in Ireland, N VV and by N, 40 l.
From Silly to Waterfoord, N, ſomewhat weſterly, 40 l.
From the C. of Cornwal to Londey, N E and by N, 26 l.
From the C. of Cornwal to Milford in V Vales, N N E, 32, or 33 l.
From Silly to Milford, N N E ſomewhat eaſterly, 40 l.
From the C. of Cornwal to the Rock Tuskar, N & by VV, 40 l.
From the C. of Cornwal to V Vaterfoord, N N W, but from Silly N and by VV, well ſo northerly, 40 l.
From Londey to Milford, N & by VV, & N N VV, 12 or 13 l.
From Milford to the C of Cornwal, S S VV, 32 l.
From Milford to Silly, S S VV, 40 l.

Cap. IV. *The Coast of Ireland.*

Along the Coast.

From Waterford to the Islands of Saltees, E: But to go about to the southerd of them, E S E, 3 l.

From the south end of the Saltees to Black-rock, N E and by E, 2 leagues and a half.

From Black-rock to Carnaroort, N E but to Grenore, 2 lea. & a half

From the Saltees to the Tuskar, E N E, but from without the foul ground to the southerd of the Saltees, N E and by E, 5 l.

From Black-rock to the Tuskar, E N E, 3 l.

From the Tuskar to Grenore, N W & by W, & W N W, 1 large l.

From Grenore into Green-bay, first N W and by N, then afterwards, W N W, 1 large l.

From Green-bay to the Barre of Washford, N, and N and by W, 1 league and a half.

From the Barre unto Washford, it is about two leagues.

From the point of Glaskarrick to the point of Arkelo, N and by E, 2 leagues and a half

From Arkelo to Mizan-head, N and by E, well so Easterly, 2 leagues and a half.

From Mizan-head to the point of Wicklo, N and by E, somewhat easterly, 2 l.

From Wicklo-head to the flat point by Nicastle, 3 l.

From Nicastle to the point of Brae, N and N and by W, 2 l.

From Wicklo-head to Brae-head, N and N and by W, 5 l.

From Brae-head to the Island of Dalke, N & by W, 2 leag. & a half.

From Dalke to the Barre of Dublin, N N W, 2 l.

From the Sound of Dalke to the point Houth, North North East, 2 leagues and a half.

From the Barre to the City Dublin, W S W, 2 leagues and a half.

From Lambey to Drodagh, N W and by N, 5 l.

From Lambey to Carlingford, N and by W, 13 l.

From Carlingford to St. Johns point, N E, somewhat easterly, 7 l.

From St. Johns point to Strangford, N E and by N, 5 l.

From Lambey to the South-rock, N N E, 21 l.

From the North-rock and South-rock to the Copland Isles, N N W, 6 leagues and a half.
From the Copland Isles to the North point of the Bay of Knockfergus, N V V somewhat northerly, 4, or 5 l.
One league to the Northward lyeth the Haven of Oldefliet.
From Oldefliet to the Raghleens through within the Mayds, North North West, 7, or 8 l.
From the Raghleens to Skires Portrush, W S W, 7 l.
From Lough-foyl to the Islands Enesterhull, N W, 5, or 6 l.
From Enesterhull to Lough-swilly, S W, 5 l.
From Lough-swilly to Sheep-haven, W S W, 4, or 5 l.
From Cape de Horn, or Hornhead, to the Island Tore, W N W, 2 leagues and a half.
From the Island Tore to the Isles of Aron, S W and by S, 8, or 9 l.
From the Islands of Aron unto Telling-head, S S W, 8, or 9 l.
From Cape de Tellin or Telling-head, to Kilbegh, E S E, 5 l.
From Cape de Tellin to the Stagges of Broad-haven, South West, 11, or 12 l,
From the Point of Broad-haven to Black-rock, South-south West, South, 6 leagues and a half.
From Black-rock to Ackle-head, S E, 1 large league.
From Ackle-head to Slynf-head, S and by E, 13 l.
From Slynf-head to the Bay of Galloway, S E, 9 l.
From the Bay of Galloway to Lupis-head (the north point of Limbrick-haven) S S W, 12, or 13 l.
From Lupis-head to Smerrick, S W, 7, or 8 l.
From Smerrick to the Blaskeys, W S W, 4 l.
From Sleynf-head to Sinbrandon-hill, S and by W, 26 l.
From the Bay of Galloway to the Blaskeys, S W and by S, 21 l.
From the Sound of Blaskeys unto Cape Dorseys, or the Skellocks, 6 leagues and a half.
From Dingle-haven unto Skellocks, S W and by S, 7 l.
From the Skellocks unto the Dorseys, S E, 7, or 8 l.
From Cape Dorsey to Mizan-head, E S E, 8 l.
From Mizan-head to Sheeps-head, North, 3 l.
From Sheeps-head to Beer-haven, N and by W, 2 leagues & a half
From Mizan-head to Beer-haven, N and by W, 5 l.
From Beer-haven to the Island Whiddy, the Course is East North East,

East, and North-east and by East, 7, or 8 leagues.
From Mizan-head to Cape Clear, E and by S, 6 leagues & a half.
From Cape Clear to Croock-haven, N W, 5 l.
From Cape Clear to Cape de Velho or Old-head, East and by North, 13 l.
From Old-head or Cape de Velho, to the Haven of Kingsale, the Course is N and by E, 1 league and a half.
From Old-head or Cape de Velho to Corck, N E and by E, 5 l.
From Corck to Waterford, the Coast stretcheth almost East North East.

Thwart Courses.

From Waterford to Grosholm, E and by S, 21 l.
From the Tuskar to the Rock Mascus, E and by S, 8 l.
From Tuskar to the Rocks-smales, S E & by S, 10 leagues and a half
From Tuskar to the Lands-end of England, S and by E, 40 l.
From Waterford to the Lands-end of England, S S E, but to Silly, S and by E, somewhat southerly, 40 l.
From the Barre of Dublin to Holy-hill in the Island of Anglesey, E and by S, 18 leagues and a half.
From Black-rock to Rokol, N and by W, 80 l.
From C. Dorsey to Silly, S E and by E, 56 l.
From the Dorseys to C. de Finisterre, the course is S and by E and South, 173 l.
From C. Cleare to the Lands-end of England, S E and by E, 53 l.
From C. Cleare to Silly, S E, 46 l.
From C. Cleare to C. de Finisterre, S, 173 l.
From C. de Velho or Old-head to the Lands-end of England, S E, 45 l.

Cap. V. *The Coast of France.*

From Ushant to Bayon.

Along the Coast.

From the Fourne to St. Mathews point, S S E, and S E and by S, 4 l.
From St. Mathews point to Croydon or Claetduyn, E S E, 2 leagues and a half.

From

From St. Mathews point to the Race of Fontenay, or the Reter, S and by E, 5 l.
From the West Pennes to the East Pennes, or Glannons, E S E, 6 leagues and a half.
From Glannons or Gloyland, to Groy, E and W, 9 l.
From the East-end of Groy to the West-end of Bell-Isle, S E and by East, 12 l.
From Glannons or Gloyland to Bell-Isle, S E and by E, 12 l.
From the north-west end of Bell-Isle to the south-west end, S E and by E, 3 l.
From the West-Pens to Bell-Isle, E S E, 21 l.
From the East-end of Bell-Isle to the East-end of the Cardinal, E and by N, 4 l.
From the East point of the Cardinal to the mouth of Morbeam, N N W, 4 l.
From the East point of the Cardinal to Croswyck, E N E, 5 l.
From the Point of Croswyck to Pierre-Perce, E S E, 3 l.
From the Cardinal to Old-downs, E N E, 6 leagues and a half.
From the North point of the River of Nantes to the Picqueliers, S S W, 6 leagues and a half.
From Pierremen to Armentiers, W S W, 3 l.
From Armentiers or Picqueliers, to the West end of Use, S and by E, and S S E, 7 l.
From the East end of Bell-Isle to Use, S E, well easterly, 16 l.
From Use to the Barges of Olone, E and by S, 7 l.
From Use to the Killiates or St. Martins Island, E S E, 12, or 13 l.
From Use to Portrush or the Band of Oleron, South East and by East, 15, or 16 l.
From Cordan to Arcason, South, 20 l.
From Arcason to Bayon, South, 16, or 17 l.

Thwart Courses over Sea.

From Ushant to Portland, N E, 53 l.
From Ushant to the Sreart, N E and by N, 40 l.
From Ushant to the Lizard, North, 29 l.
From Ushant to Silly, N W and by N, 37 l.
From Ushant to Cape Clear in Ireland, N W, 84 l.
From Ushant to St. Michaels Island, S W and by W, 360 l.
From Ushant to the C. Finisterre, S S W, somewhat westerly, 122 l.

From

From Uſhant to Cifarga, S S W, 113 leagues.
From Uſhant to Cape Prior, S S W, 106 l.
From Uſhant to Cape de Pinas, ſouth, 95 l.
From Uſhant to Laredo, South-ſouth Eaſt, 113 l.
When you ſayl away from Uſhant South and by Eaſt, then you run a little without the Seams.
From the Race of Fontenay to the Pennes, S E, 91.
From Fontenay to Old-yarn, E S E, 51.
From Old-yarn to the Pennes, S E and by S, 51.
From the Weſt end of the Seams to the Pennes, E S E, ſomewhat ſoutherly, 131.
From the Seams to the Band or Crage of Oleron, S E and by E, 71, or 72 leagues.
From the Seams to Bayone in France, S E, 112 l.
From the Seams to St. Sebaſtians, S E and by S, 112 l.
From the Seams to Bilbo, South-ſouth Eaſt, ſomewhat Eaſterly, 101 leagues.
From the Seams to St. Andero, South-ſouth Eaſt, 95 l.
From the Seams to Cape de Pinas, or Tores, South, 88 l.
From the Seams to Ribadeus, S and by W, 95 l.
From the Seams to Cape Ortegal, S S W, ſomewhat ſoutherly, 90 leagues.
From the Seams to Cape de Finiſterre, S W and by S, ſomewhat ſoutherly, 112 l.
From the Seams to Silly, N N W, 45 l.
From the Weſt Pens to Viverus, S S W, 88 l.
From the Weſt Pens to Cifarga, S W and by S, 103 l.
From Groy to Viverus, S W and by S, 93 l.
From Groy to Cape de Finiſterre, S W, 123 l.
From Bell-Iſle to the River of Bourdeaux, S E, 50 l.
From Bell-Iſle to St. Sebaſtians, South-ſouth Eaſt, and ſomewhat ſoutherly, 80 l.
From Bell-Iſle to St. Andero, South, 73 l.
From Bell-Iſle to Cape de Pinas, or Tores, S S W, 80 l.
From Bell-Iſle to Cape de Ortegal, S W, 90 l.
From Bell-Iſle to Cape de Finiſterre, S W, 122 l.
From Uſe to Cape de Pinas, S W and by S, 75 l.
From Uſe to Cape de Ortegal, S W and by W, 93 l.

From

From St. Martins Iſland to the River of Bourdeaux, South-ſouth Eaſt, 16 leagues.
From the Band or Crage of Oleron to the Tower of Cordan, S S E, and S and by E, 13 l.
From St. Martins Iſland to Cape de Pinas, S W, 80 l.
From St. Martins Iſland to Ortegal, W S W, and ſomewhat ſoutherly, 49 l.
From the Tower Cordan to Cape de Pinas, W S W, and ſomewhat ſoutherly, 75 l.
From Bayone to the Seams, N W, 112 l.

Cap. VI. *The Coaſt of Biſaye, and Galliſsia.*

From Bayone to Cape de Finiſterre.

Alongſt the Coaſt.

FRom Bayone to St. John de Luz, S and by W, 4 leagues.
From St. John de Luz to the Pignons of St. Anna, S W and by Weſt, 2 leagues and a half.
From St John de Luz to St. Sebaſtians, Weſt, 8 l.
From St. Sebaſtians to Gateria, Weſt and by North, and Weſt North Weſt, 8 l.
From Garteria to C. Martinchaco, N W, 5, or 6 l.
From C. Martinchaco to Bilbao, S S W, and S W and by S, 6 leagues and a half.
From Placentia to Bilbao, W S W, & W & by S, 2 leagues and a half
From the point of Bilbao to Caſtro, W, 5 l.
From Bilbao to the St. Anthony, W and by N, 9, or 10 l.
From Caſtro to Laredo, W, 5 l.
From M. S. Anthony to C. Keſgo, W, and W, and by South 2 leagues and a half.
From Cape Keſgo to the Haven of St. Andero, W S W, 3 l.
From Cape Keſgo to the Weſt point of St. Andero, W, and W and by N, 4 l.
From St. Anthonp to the Weſt point of St Andero, W, 5 l.

From

From St. Andero to Cape de Pinas, West, west so northerly, 37, or 39 l.
From St. Andero to St. Martin, or Setterbilles, West, 4 l.
From thence to St. Vincent, West, 5 l.
From St. Vincent to Lhanes, West, 3, or 4 l.
From Lhanes to Rio de Sella, West, 5, or 6 l.
From Rio de Sella to Villa Vicioſa, West, 9 l.
From Villa Vicioſa to Sanſon, West, 6 leagues & a half.
From Sanſon to Cape de Pinas, West and by North, and West North West, 7, or 8 l.
From Cape de Pinas to Avilles, S S W, 2 leagues and a half.
From Luarca to Ribadeus, W S W, 6 leagues and a half.
From Ribadeus to Cape de Brilo, N W, 8 l.
From Cape de Pinas to Ribadeus, S W and by W, 13, or 14 l.
From Cape de Pinas to Ortegal, W and by N, and ſomewhat weſterly, 29 l.
From Cape Ortegal to Siverus, S W, 5 l.
From Siverus to Cape de Prior, S W, 5 l.
From C. de Prior to Ferol, S and by E, 2 leagues and a half.
From Ferol to the Groyn, S and S and by W, 4 l.
From the Groyn to Ciſarga, W, 8 l.
From Ciſarga to Queres, S and by West, and South South West, 2 leagues and a half.
From Ciſarga to Cape de Bylem, or the East point of Monſy, S W and by W, and W S W, 12, or 13 l.
From Cape de Bylem to Cape de Coriane, or Torrivanor, S W, 2 leagues and a half.
From Cape de Coriane to Cape de Finiſterre, South, 2 leagues and a half.
From Cape de Ortegal to Cape de Prior, S W, 10 leagues & a half.
From Cape de Ortegal to Ciſarga, South West, and S W and by West, 18 leagues and a half.
From Cape de Prior to Ciſarga, S W and by W, 9 l.
From Ferol to Ciſarga, W and by S, 8 l.
From Cape de Ortegal to Cape de Coriano, S W and by W, 33 l.

Thwart Courſes over Sea.

From St. Sebaſtians to Bell-Iſle, N N W, and ſomewhat northerly, 80 l.
From St. Sebaſtians to the Seames, N W and by N, 112 l.
From Cape de Martinchaco to Arcaſon, North East, and ſomewhat eaſterly, 28 l.
From Cape Martinchaco to Uſe, N, ſomewhat eaſterly, 60 l.
From St. Andero to the Seames, N N W, 95 l.
From Cape de Pinas to the Tower of Cordan, E N E, and N E and by E, 72 l.
From Cape de Pinas to Porthus, or St. Martins Iſland, N E, and ſomewhat eaſterly, 80 l.
From Cape de Pinas to Bell-Iſle, N N E, 80 l.
From Cape de Pinas to the Seames, N, 88 l.
From Cape de Pinas to Cabode Veilli in Ireland, N and by Weſt, and weſterly, 170 l.
From Cape de Ortegal to Waterford in Ireland, the courſe is North, 168 l.
From Ciſarga to Cape Vejo, N, 160 l.
From Ciſarga to Silly, N and by E, 137 l.

Cap. VII. *The Coaſt of Galliſsia and Portugal.*

Alongſt the Coaſt.

From Cape de Finiſterre to Moores or Monte Lauro, South East, 5 l.
From Rio Roxo to Ponte Vedra, S S W, 4 l.
From Ponte Vedra, or Bipones to the Iſlands of Bayone, South South E, 5 l.
From Bayone to Camina, S and by E, 4 l.
From Cape de Finiſterre to the Iſlands of Bayone, S E and by S, 18 leagues and a half
From Cape de Finiſterre to Port a Port, S S E, 44 l.
From Cape de Finiſterre to Avero, S and by E, 53 l.

From

From Cape de Finisterre to the Burlings, South, 67 leagues.
From Camina to Viana, S S E, 7 l.
From Viana to Villa del Conde, S and by E, 6 l.
From Villa del Conde to Port a Port, S and by E, 5 l.
From Port a Port to Avero, S, 10 leagues and a half.
From Avero to Cape de Montego, S S W, 6 leagues and a half.
From Cape de Montego to Penich, or Cape del Fisiron, S W and by S, 10 leagues and a half.
From Cape de Montego to the Burlings, S W, 13 l.
From Cape del Fisiron or Nova Lisbona, to the Rock or Roxent, South, 15, or 16 l.
From the Burlings to the Rock or Roxent, S and by E, and South South East, 16 l.
From Roxent to the Cape Pitcher, or St. Uves-point, S E and by S, 10 leagues and a half.
From Cape Pitcher to Cape St. Vincent, South, and South and by East, 29 l.
From Roxent to the Cape St. Vincent, S and by E, 37 l.

Thwart Courses over Sea.

From Cape de Finisterre to the great Canaries, S S W, and somewhat southerly, 307 l.
From Cape de Finisterre to the Salvages, S S W, 273 l.
From Cape de Finisterre to the Isle de Madera, S W and by W, somewhat southerly, 197 l.
From Cape de Finisterre to the Isle de St. Michael, W S W, 247 l.
From Cape de Finisterre, to the Isle Tercera, W S W, and W and by S, 278 l.
From Cape de Finisterre to the South west point of Ireland, N and by W, and N, 173 l.
From Cape de Finisterre to Cape de Claro, N, 173 l.
From Cape de Finisterre to Waterford, or to the south east point of Ireland, N and by E, 186 l.
From Cape de Finisterre to the Lizard, N N E, 153 l.
From Cape de Finisterre to the Seames, N E and by N 112 l.
From Cape de Finisterre to the Bell-Isle, S W and N E, 122 l.
From Aveiro to the Burlings, S W, 20 l.
From Bayone to the Burlings, S and by W, 49 l.

From Port a Port to the Burlings, S S W, & S W & by South, 29 l.
From the Burlings to Cape St. Vincent, S and by E, 53 l.
From the Burlings to the great Canaries, S S W, 248 l.
From the Burlings to the Island Palma, S W and by S, 256 l.
From Roxent or the River of Lisbon to the great Canaries, S S W, somewhat westerly, 240 l.
From the River of Lisbon to the Isle de Salvages, South West and by South, 208 l.
From the River of Lisbon to Porto Santo, S W, 160 l.
From the River of Lisbon to the Isle Madera, S W, 173 l.
From the River of Lisbon to the Island Tercera, W, 333 l.

Cap. VIII. *The Spanish Coast.*

From Cape St. Vincent unto Cape de Gate in the Mediterranian Sea.

Alongst the Coast.

FRom Cape St. Vincent to Lagos or Laves, East and by North, 6 leagues and a half.
From Lagos to Villa Nova, E, 4 l.
From Villa Nova to Cape Maries, or Faro, E and by S, 9 l.
From Cape St. Maries or Faro, to Tavila, N E and by E, 5 l.
From Tavila, to Ayemonte, E N E, 5 l.
From Cape St. Vincent to Cape St. Maries, E, 18 leagues & a half.
From Cape St. Maries to Leep, or St. Michaels, E N E, 17 l.
From Cape St. Maries to Saltees, E N E, 24 l.
From Ayemonte to Leep, E and by N, 6 leagues and a half.
From Leep to Saltees or Palos, E & E & by S, 6 leagues and a half.
From Saltees to the River of St. Lucas, or Sipiona, S E, and S E and by E, 8, or 9 l.
From St. Lucas, or the point of Sipiona to the point of Cales, S E, 9 l.
From Cales to the mouth or point of the Streights, South South East, 10 leagues and a half
From Cape Trafalgar to Tariffe, S E, 4 l.
From Tariffe to the point of Gibraltar, E and by N, 5 l.
From the point of Gibralter to Marveles, N E and by N, 12 l.

From

From Marveles to Fangerola, E N E, 5 l.
From Fangerola to the West point of Mallaga, East North East, 2 leagues and a half.
From the West-point of Mallaga to the Town of Mallaga, N E, and N E and by N, 4 l.
From the point of Gibralter to Mallaga, N E, 23, or 24 l.
From Mallaga to Veles Mallaga, E, & E & by N, 6 leagues & a half
From Veles Mallaga to Almunecar, E, 15, or 16 l.
From Almunecar to Solobrena, E, 4 l.
From Solobrena to Modril, E and by N, 2 leagues and a half.
From Modril to Cape de Sacrastyf, E S E, 1 large l.
From Cape de Sacrastyf to Castel de Fierro, E and by N, 4 l.
From Castel de Fierro to Adera, E, 8 l.
From Adera to Almeria, N E, 5 l.
From Almeria to Cape de Gat, S E and by E, 5, or 6 l.
From the point of Gibralter to Cape de Gat, E and by N, 66 l.
From Cape de S. Martel in Barbary, to the point of Apehil, or Schemminckelbergh, the course is E N E, 8 l.
From Apehil to the point of Seuta, S E and by E, 2 leagues & a half
From the point of Seuta to the Road of Tetuan, S, 5, or 6 l.

Thwart Courses over Sea.

From Cape de St. Vincent to the Cape Cantin, S, 86 l.
From Cape Vincent to Cape de Geer, S, and westerly, at least 133 l.
From Cape St. Vincent to the Island Lanzerotte, S S W, 162 l.
From Cape St. Vincent to the great Canaries, South West and by South, 210 l.
From Cape St. Vincent to the Isle de Palma, S W, 224 l.
From Cape St. Vincent to Porto Santo, S W and by W, 138 l.
And to Madera, S W and by W, 157 l.
From Cape St. Vincent to the Isle of St. Maries, W, 245 l.
From Cape St. Maries to Sipiona, E, 29 l.
From Cape St. Maries to the Streights, E S E, and S E & by E, 45 l.
From Cape St. Maries or Faro to Cape Cantin, S and by W, 90 l.
From Cape St. Maries to the great Canaries, S W, and S West, and by S, 220 l.
From Cape St. Maries, or Faro to the Isle de Madera, South West and by W, 179 l.

From

From Cales to the Great Canaries, S W, 240 l.
From Cales to the Isle de Madera, W S W, 200 l.

Cap. IX. The Coast of Barbary.

From the Streights of Gibralter to Cape de Geer, as also of the Canary and Flemish Islands.

Alongst the Coast.

From Cape Spartel to Arzil, S & by W, 6 leagues and a half.
From Arzil to Alarach, S and by W, 8 l.
From Alarach to old Mamora, S & by West, & S S W, 7, or 8 l.
From Old Mamora to Mamora, S & by W, & S S W, 6 lea. & a half
From Mamora to Salley, S W & by S, & S S W, 6 leagues & a half.
From Salley to the Island Fedalle, S W and by S, 10 l.
From Fedalle to Anafee, S W and by S, and S W, 3 l.
From Anafee to Azamor, South West and by West, westerly, 18 leagues and a half.
From Azamor to Masagam, W S W, 2 leagues and a half.
From Masagam to Cape Blanco, W S W, & somewhat westerly, 3 l.
From Cape Blanco to Cape Cantin, W S W, & S W & by W, 9 l.
From Cape Cantin to the North point of Saffia, the coast is South, or somewhat more westerly, 6 l.
From the point of Saffia to the Island Mogodor, S S W, 19, or 20 l.
From Mogodor to Cape de Geer, S S W, 22 leagues and a half.
From Cape de Geer to St. Cruz, S E, and S E and by E, 5 l.

Canary and Flemish Islands.

From the West point of Forteventura to the Island of the great Canaries, E and W, 19, or 20 l.
From the North point of the Canaries to Punte de Nago, the North East point of Teneriffe, W N W, 21 l.
From Punte de Nago to Garrichica, W S W, and S W and by W, 8, or 9 l.
From Teneriffe to Isle de Palma, W N W, 20 l.
From the West end of Teneriffe to Gomera, W, 5 l.
From Palma to Ferro, S and by W, 13 l.

From

From the great Canaries to Salvages, N N W, 40 l.
From Garrichica to Salvages, N N E, 30 l.
From Teneriffe to the Isle Madera, N, 72 l.
From the great Canaries to the East end of Madera, North and by West, 85 l.
From La Palma to Madera, N and by E, 53 l.
From Salvages to the Serters of Madera, N, 40 l.
The Outermost of the Serters lie from Madera, 4 l.
From St. Michaels to Tercera, N W and by W, 34 l.
From Tercera to the East end of St. Georges, W S W, 10 l.
From the East end of St. Georges to Fayal, W N W, 16 l.

Thwart Courses over Sea.

From Cape Spartel to Cape Cantin, it is S W, and somewhat southerly, 80 l.
From Cape Spartel to Madera, W and by S, and W S W, 200 l.
From Cape Cantin to Madera, W 133 l.
From Cape Cantin to Cape St. Vincent, N, well so westerly, 90 l.
From Cape Cantin to Teneriffe, S W and by W, 143 l.
From Cape Cantin to Cape de Geer, S S W, 50, or 53 l.
From Cape de Geer to Cape de Non, S S W, and S and by West, 26 leagues and a half.
From Cape de Non to Ofin, South, 13 l.
From Cape de Non to Cape de Bajador, S W and by W, 69 l.
From Cape de Geer to Cape de Bajador, South W, and somewhat westerly, 110 l.
From Saffia to Madera, E and W, 130 l.
From Cape de Geer to Madera, W N W, 133 l.
From Madera to St. Michaels, N W, 136 l.
From the W West end of Forteventura to Cape de Bajador, South South W West, 20 l.
From Lancerota at the Cape St. Vincent, N N E, 180 l.
From the great Canaries to Cales, N E, 240 l.
From great Canaries to Cape St. Vincent, N E and by N, 246 l.
From great Canaries to Roxent, N N E, & somewhat easterly, 240 l.
From great Canaries to C. de Finisterre, N N E, and somewhat northerly, 307 l.

From

47°

From Teneriffe to the Lizard, N N E, 466 l.
From La Palma to the Cape St. Vincent, N E, 224 l.
From Madera to Cape de Geer, E S E, 133 l.
From Madera to Saffia, E, 130 l.
From Madera to Cales, E N E, 200 l.
From Madera to Roxent, N E 173 l.
From Madera to the Cape de Finisterre, N E and by N, and well so northerly, 245 l.
From St. Michaels to the Cape de Finisterre, E N E, 246 l.
From Tercera to Roxent, or the River of Lisbon, E, at least 267 l.
From Tercera to Cape de Finisterre, E N E, & E & by N, 280 l.
From Tercera to the Lizard, N E and by E, 386 l.

FINIS.

Advertisement to the Reader.

WHereas in the Translation of the Dutch Sea-Mirror, and the Lighting Colom, many groſs Errors have been committed in the Diſtances and Courſes, as alſo Dutch Miles placed for and in the name and title of Engliſh Leagues, The Reader may pleaſe to take notice that the faults are corrected, and the Dutch miles calculated, and turned into Engliſh Leagues, as they ought to be, according to 20 Leagues in a Degree, for the good and right underſtanding of our Engliſh Navigators and Seamen, and for preventing all difficulties and miſtakes which otherwiſe eaſily might happen. By a well-wiſher of the good and welfare of our Engliſh Nation, hoping it will take as kinde acceptance by all Lovers of this famous Art, as willingneſs in the Tranſlator.

L C.

D.	H.	M.	*South and North.*	*Falling of Streams upon the ſame point.*
0	12	0		
1	12	48		
2	1	36	At the Juttiſh Iſlands.	
3	2	24	Before the Hever, Eyder and Elve.	
4	3	12	At Emden and Delfs ziel.	
5	4	0	Before Enchuyſen, Horn and Urck; Upon all the	
6	4	48	Coaſts of Flanders.	From the Neſſe to Beunen.
7	5	36	At the Foreland. At Dover in the Pier.	
8	6	24	At Beverſey on the land. At Hampton on the	
9	7	12	Key. Before Stierenberch and the Ras of Blanc-	
10	8	0	kert. At Orfordnes. In the Condaet.	
11	8	48	At Jubliter in the Road.	
12	9	36	At the Spits, Shoo, and Swine.	
13	10	24		
14	11	12		
15	12	0		

D.	H.	M.	*South and by Weſt, And North and by Eaſt.*	*Falling of Streams upon the ſame point.*
0	12	45		
1	1	33		
2	2	21	Within the Maes.	
3	3	9	Within at Ter Veer.	
4	3	57	At Fluſhing.	
5	4	45	Near Beverſey in Sea.	
6	5	33	In the Chamber.	
7	6	21	At Charmſey, or Winckel-zee.	From Beunen to the Somme. Alſo from Eſtaples to Beunen.
8	7	9	In Garnſey.	
9	8	57	Rocheſter.	
10	8	45		
11	9	33		
12	10	21		
13	11	9		
14	11	57		
15	12	45		

D.	H	M.	*South South Weſt, And North North Eaſt.*	*Falling of Streams upon the ſame point.*
0	1	30		
1	2	18	Under Holyland.	
2	3	6	Before the Maes and Goeree. Before Ter Veer.	
3	3	54	At Armuyen upon the Flat. At the Wielings.	
4	4	42	Before Ramekens. On all the Zealand Coaſts.	
5	5	30	Before the Thames of London.	From Graveling to Beunen.
6	6	18	Before Yarmouth. In the Downs upon the Road.	
7	7	6	Near Dungie-nes.	
8	7	54	At the Weſter end of Wight.	
9	8	42	Without Callice and Blacknes.	
10	9	30	In Blavet.	
11	10	18	At Boelin on the ſhore.	
12	11	6		
13	11	54		
14	12	42		

D.	H.	M.	*South West and by South, and North East and by North.*	*Falling of Streams upon the same point.*
0	2	15		
1	3	3		
2	3	51	Without Fontenay.	
3	4	39	Without Blaver.	
4	5	27	Under Boelyn, Or Bell-Isle.	
5	6	15	Before the Wielings.	Amidst through the Heads. From Dunkirk to Graveling. From Staples to Fecam. From Dartmouth to Exmouth.
6	7	3	Before the Maes.	
7	7	51	Holy-Isle.	
8	8	39		
9	9	27		
10	10	15		
11	11	3		
12	11	51		
13	12	39		
14	1	27		
15	2	15		

D.	H.	M.	*South West And North East.*	*Falling of Streams upon the same point.*
0	3	0		
1	3	48	At Amsterdam, Rotterdam, Dort, & Zierickſea.	From C. de Hague to Ornay. Through the Ras of Ornay. From Garnesey to the Kaskets. From Milford to Ramsey. At Fawick in the Channel. At Portland in the Sack.
2	4	36	Before Newcastle; the Tese, Whirbey, & Hartlepool. In Robbin-hoods Bay. Without the Flemish Banks. In the Heads. Before Conquet, Pleymarcks, Groy, Armentiers, Heys, Kili, Aets, Porthus; And the River of Bordeaux.	
3	5	24		
4	6	12		
5	7	0		
6	7	48		
7	8	36	The South-coast of Britaigne, Gascoigne, and Poicto. The Coasts of Biscay, Galissia, Portugal, and Spain.	
8	9	24		
9	10	12		
10	11	0	On the West Coast of Ireland.	
11	11	48	At Boecknes and Orcaneys.	
12	12	36	In Hitland and at Faithill.	
13	1	24	At London-Bridge.	
14	2	12		
15	3	0		

D.	H.	M.	*South West and by West, And North East and by East.*	*Falling of Streams upon the same point.*
0	3	45		
1	4	33		
2	5	21	Between the Heads and the Maes. At Roan. In the Sorlins. Before S. Matthews point. In Bristol and Crixdown. In the Channel between Ushant. Before the Bos. At St. Martains. Before Rochel. Before Brouwage. At Roan in the River of Bourdeaux.	From Struysaert to Diep. From the Lizard to the Stearr. From C. de Cleare to Londey.
3	6	9		
4	6	57		
5	7	45		
6	8	33		
7	9	21		
8	10	9	Within the Creeks or Harbours scituated on the Coasts of Spain, Portugal, Galissia, the South side of Britaigne, Gascoigne, and the West Coasts of Ireland. At the Ras of Fontenay, and Houncliff.	
9	10	57		
10	11	45		
11	12	33		
12	1	21		
13	2	9		
14	2	57		
15	3	45		

D.	H.	M.	*West South West, And East North East.*	*Falling of Streams upon the same point.*
0	4	30		
1	5	18	From Teſſel to the Heads of Dover and Calice in the Fareway.	From Oſtend to St. Catelins From Barfleur to Struyſaert. The Breefound out and in. From C. de Cleare to the Iſland Salrees. Between Londey and the Holmes as far as to Briſtol. From the Sorlings to Englands end. From the Staert to Portland.
2	6	6		
3	6	54	Before Humber. Flambrough, Scharbrough, and the race of Abben. In Falmouth. In the Mouſhole.	
4	7	42		
5	8	30		
6	9	18	The Seven Iſlands. St. Pauls without the Haven.	
7	10	6	Between Garneſey and the Seven or Sept Iſles as the Courſe lies.	
8	10	54		
9	11	42	In Breefound. Without the Foure.	
10	12	30	On all South Coaſts of Ireland, as Kingſale, Cork, Jochal, Waterford, and Cape Cleare.	
11	1	18		
12	2	6	At Baltemore. And Bloy.	
13	2	54		
14	3	42		
15	4	30		

D.	H.	M.	*West and by South, And East and by North.*	*Falling of Streams upon the ſame point.*
0	5	15		
1	6	3		
2	6	51	In Torbay and Dartmouth.	
3	7	39	In Plymouth and Fawyck.	
4	8	27	In the Sea of Galles.	From Iſle Bas to Foure. From Dorſey to Cape Cleare. From the Sorlings to the Lizard. From Portland to Wight. From Wight to Beverſey.
5	9	15	In Falmouth. In Milford.	
6	10	3	At Ramſey in Wales.	
7	10	51	Againſt Londey.	
8	11	39	Before Linn in England.	
9	12	27	In all Havens on the South Coaſt of Ireland.	
10	1	15	The Spourne.	
11	2	3		
12	2	51		
13	3	39		
14	4	27		
15	5	15		

D.	H.	M.	*West And East.*	*Falling of Streams upon the ſame points.*
0	6	0		
1	6	48		
2	7	36	Before Hambrough.	From the Kaskets to Barfleur. From Englands-end to the Lizard.
3	8	24	Before Bremen.	
4	9	12	Before the Maerſdeep or Teſſel.	
5	10	0	At Hull.	
6	10	48	At Blackney and Wells.	
7	11	36	Before Antwerp, Tergoes, and Tergouwe.	
8	12	24	At Concallo and St. Malloes.	
9	1	12	At St. Pauls in the Haven.	
10	2	0	Without the Sorlings in the Channel.	
11	2	48		
12	3	36		
13	4	24		
14	5	12		
15	6	0		

D.	H.	M.	*West and by North, And East and by South.*	*Falling of Streams upon the same point.*
0	6	45		
1	7	33		
2	8	21	Between Fawyck and Famouth in the Channel.	
3	9	9	Amidst in the Channel.	
4	9	57	At Bristol at the Key.	
5	10	45	Before St. Nicholas and Podessemke.	From the Island Bas to Marwanen alongst the shore.
6	11	33	At Waymouth on the Key.	
7	12	21		
8	1	9		
9	1	57		
10	2	45		
11	3	33		
12	4	21		
13	5	9		
14	5	57		
15	6	45		

D.	H.	M	*West North West, And East South East.*	*Falling of Streams upon the same point.*
0	7	30		
1	8	18		
2	9	6	At the Ness by Wieringen.	
3	9	54	In Tessel upon the Merchants or *Coopvaerders*-Road.	
4	10	42		From the Island Briack to S. Maloes.
5	11	30	At Kilduyn.	
6	12	18	In the middle of the Channel in the Fareway.	From Bierfleur to Seynhead.
7	1	6	Near the Staert in the Channel.	
8	1	54	Between Mouse-hole and Falmouth in Sea.	
9	2	42	Near Plimouth in Sea.	
10	3	30	At the Lizard by the shore.	
11	4	18		
12	5	6		
13	5	54		
14	6	42		
15	7	30		

D.	H.	M.	*North West and by West, And South East and by East.*	*Falling of Streams upon the same point.*
0	8	15		
1	9	3		
2	9	51		
3	10	39	Without the Caskets in the Channel.	
4	11	27	By Wight in the Channel.	
5	12	15	From Wight to Beversey on the shore.	Behinde Garnesey in the Fareway.
6	1	3	On the Coast to westward of the Foreland.	
7	1	51	Without the Flye.	Without the Seven Islands.
8	2	39	At Dublin.	
9	3	27		
10	4	15		
11	5	3		
12	5	51		
13	6	39		
14	7	27		
15	8	15		

D.	H.	M.	*North Weſt And South Eaſt.*	*Falling of Streams upon the ſame point.*
0	9	0		
1	9	48		
2	10	36	Before the Eaſt and Weſt Eemſes.	
3	11	24	Before the Flye.	
4	12	12	Before the Scholbalgh.	
5	1	0	On all the Coaſts of Frieſland.	In the Wyke of Benuyt.
6	1	48	Upon the Shoals of Frieſland and Wieringen.	Between Morliax and the Treacle-pots.
7	2	36	Before Cromer, Winterton and Yarmouth.	
8	3	24	Within the Seyne.	
9	4	12	At the Eaſt end of Wight.	
10	5	0	In the Ras of Portland.	
11	5	48	Between Garneſey and the Kaskets.	
12	6	36	At Dunbar.	
13	7	24		
14	8	12		
15	9	0		

D.	H.	M.	*North Weſt and by North, And South Eaſt and by South.*	*Falling of Streams upon the ſame point.*
0	9	45		
1	10	33		
2	11	21		
3	12	9	The Needles of Wight.	
4	12	57	In the Channel by Wight.	Before Concallo.
5	1	45	The Caskets.	Before the Iſland of St. Michael in the Creek.
6	2	33	At Garneſey in the Channel.	
7	3	21	Near Leyſtaff and Yarmouth without the Banks.	
8	4	9	At Ter Gouwe.	
9	4	57	At Wolfs-horne.	
10	5	45		
11	6	33		
12	7	21		
13	8	9		
14	8	57		
15	9	45		

D.	H.	M	*North North Weſt, And South South Eaſt.*	*Falling of Streams upon the ſame point.*
0	10	30		
1	11	18		
2	12	6	At Orfordnes and Harwich without the banks.	
3	12	54	At Leyſtaff in the Road Yarmouth in the Road.	
4	1	42	Before the Thames of London. At Margarits.	
5	2	30	At Wight within.	From Bergſleur to Alhonga.
6	3	18	At Beunen, Diep, and Seynhead.	
7	4	6	In the Foſſe of Caen.	From Cape Dorſey to the Iſland Dardan.
8	4	54	At Struyſaert, And all the Coaſts of Normandy and Picardy.	
9	5	42		
10	6	30	At St. Helena and Calveroort.	
11	7	18		
12	8	6		
13	8	54		
14	9	42		
15	10	30		

D.	H.	M.	North and by West, And South and by East.	Falling of Streams upon the same point.
0	11	15		
1	12	3		
2	12	51	Between Cripple-sand and the Kreyl.	
3	1	39	At Orfordnes within.	
4	2	27	At Hampton	From S^t. Matthews
5	3	15	At Portsmouth and at Wolfers-horne.	point to the Back-
6	4	3	At Calveroort in Wight.	Ovens.
7	4	51	Before the Haven of Caen.	From Fontenay to
8	5	39	Within the Thames of London.	St. Matthews point.
9	6	27	Fair Isle.	
10	7	15		
11	8	3		
12	8	51		
13	9	39		
14	10	27		
15	11	15		

Instructions for the fore-going Tyde-Tables.

THe Practioner is to take notice that the three Columns of Figures belonging to each point of the Compass, are *Days*, *Hours*, and *Minutes* of and after the New or Full Moon. As for example:

I desire to know when the Moon is 7 days past the New or Full when she comes to the South South West, or makes High-water before *Yarmouth*, the Rivers mouth of *London*, and the *Downs* on the Road, &c. And as in this, so in all other places, I seek in the several points, till I finde the said places, and there I see that they stand under the South South West, and North North East point, therefore in the Collum of Daies I finde 7, and next to it I see 7 hours 6 minutes; Upon that Day then the Moon shall come to the South South West, and North North East, and upon those places mentioned, under that point make high water.

Nota, that the tydes do not hold out, but fall short 48 minutes, which is four fifts of an hour. Therefore if you know at what hour, the New or full Moon make full Sea in any place, then reckon from that time every day four fifts of an hour later, and so find the right time of the High-water.

The

The Change and Full of the Moon for Eight Years, marked with these Characters ● for Full, and ☽ for New, beginning from Noon, according to the Sea-mans Kalender,

With Days, Hours, and Minutes.

	1663.	1664.	1665.	1666.
	D. H. M.	D. H. M.	D. H. D.	D. H. M.
January.	● 13. 1. 34. ☽ 28. 15. 33.	● 2. 15. 37. ☽ 17. 19. 41.	☽ 5. 19. 5. ● 20 18. 19.	● 10. 9. 18. ☽ 24. 14. 5.
February.	● 11. 15. 10. ☽ 27. 4. 53.	● 1. 2. 37. ☽ 16. 13. 10.	☽ 4. 14. 31. ● 19. 4. 23.	● 8. 20. 23. ☽ 23. 8. 9.
March.	● 13. 6. 4. ☽ 28. 15. 25.	● 1. 14. 11. ☽ 17. 3. 34. ● 31. 2. 18.	☽ 6. 8. 31. ● 20. 13. 57.	● 10. 5. 51. ☽ 25. 1. 15.
April.	● 11. 21. 36. ☽ 26. 23. 43.	☽ 15. 14. 43. ● 29. 15. 12.	☽ 4. 23. 49. ● 18. 23. 35.	● 8. 14. 15. ☽ 23. 17. 56.
May.	● 11. 13. 10. ☽ 26. 6. 42.	☽ 14. 23. 33. ● 29. 5. 4.	☽ 4. 11. 8. ● 18. 10. 18.	● 7. 22. 36. ☽ 23 8. 11.
June.	● 10. 4. 12. ☽ 24. 13. 38.	☽ 13. 6. 53. ● 27. 22. 2.	☽ 2. 22. 15. ● 16. 22. 24.	● 6. 7. 19. ☽ 21. 19. 38.
July.	● 9. 18. 39. ☽ 23. 21. 33.	☽ 12. 13. 50. ● 27. 11. 38.	☽ 2. 6. 50. ● 16. 12. 26. ☽ 31. 14. 33.	● 5. 17. 31. ☽ 21. 5. 32.
August.	● 8. 8. 12. ☽ 22. 7. 23.	☽ 10. 11. 24. ● 26. 3. 7.	● 15. 4. 8. ☽ 29. 22. 12.	● 4. 5. 50. ☽ 19. 14. 32.
September.	● 6. 20. 41. ☽ 20. 19. 49.	☽ 9. 6. 24. ● 24. 17. 48.	● 13. 20. 39. ☽ 28. 6. 50.	● 2. 20. 49. ☽ 17. 23. 12.
October.	● 6. 8. 6. ☽ 10. 11. 5.	☽ 8. 17 30. ● 24. 7. 24.	● 13. 13. 17. ☽ 27. 17. 0.	● 2. 13. 44. ☽ 17. 8. 17.
November.	● 4. 18. 45. ☽ 19. 4. 51.	☽ 7. 7. 16. ● 22. 19. 57.	● 12. 5. 27. ☽ 26. 5. 39.	● 1. 8. 5. ☽ 15. 18. 19.
December.	● 4. 5. 3. ☽ 19. 0. 15.	☽ 6. 23. 58. ● 22. 7. 34.	● 11. 20. 26. ☽ 25. 21. 5.	● 1 2. 43. ☽ 15. 6. 1. ● 30. 19. 19.

The Change and Full of the Moon for Eight Years, marked with these Characters ● for Full, and ☽ for New, beginning from Noon, according to the Sea-mans Kalender, With Days, Hours, and Minutes.

	1667.	1668.	1669.	1670.
	D. H. M.	D. H. M.	D. H. M.	D. H. M.
January.	☽ 13 19 19	☽ 3 7 35	● 6 16 37	☽ 11 1 38
	● 29 9 44	● 18 16 22	☽ 21 9 45	● 25 8 47
February.	☽ 12 10 12	☽ 1 19 11	● 5 11 40	☽ 9 11 58
	● 27 21 33	● 17 8 17	☽ 19 19 57	● 24 5 43
March.	☽ 14 2 9	☽ 2 7 39	● 7 4 38	☽ 10 21 20
	● 29 7 8	● 17 21 15	☽ 21 6 24	● 25 23 10
		☽ 31 21 7		
April.	☽ 12 18 34	● 16 7 23	● 5 18 52	☽ 9 6 9
	● 27 15 4	☽ 30 11 33	☽ 19 17 24	● 24 14 15
May.	☽ 12 10 34	● 15 15 32	● 5 6 0	☽ 8 15 8
	● 26 22 15	☽ 30 2 32	☽ 19 5 27	● 24 2 59
June.	☽ 11 1 27	● 13 22 32	● 3 15 8	☽ 7 0 7
	● 25 5 44	☽ 28 20 34	☽ 17 6 33	● 22 13 23
July.	☽ 10 14 50	● 13 5 24	● 2 22 40	☽ 6 12 33
	● 24 14 40	☽ 28 8 39	☽ 17 9 29	● 21 22 18
			● 1 5 44	
August.	☽ 9 3 1	● 11 13 2	☽ 16 1 37	☽ 5 2 8
	● 23 1 14	☽ 26 22 58	● 30 15 15	● 20 6 27
September.	☽ 7 14 0	● 9 23 3	☽ 14 17 31	☽ 3 17 54
	● 21 15 5	☽ 25 12 37	● 28 22 41	● 18 14 38
October.	☽ 7 0 24	● 9 11 32	☽ 14 9 24	☽ 3 11 34
	● 21 7 38	☽ 25 0 50	● 28 10 7	● 17 23 49
November.	☽ 5 10 22	● 8 2 51	☽ 13 0 18	☽ 2 5 9
	● 20 2 31	☽ 23 12 28	● 27 0 9	● 16 10 35
				☽ 1 22 21
December.	☽ 4 20 31	● 7 20 56	☽ 12 13 43	● 15 23 10
	● 19 21 59	☽ 22 23 18	● 26 16 45	☽ 31 17 46

FINIS.

THE THIRD PART OF *The Streights, or Mediterranean Seas.*

THE FIRST SIGHT. OF THE Deſcription of the Sea-coaſts of *Spain*, from *Calis* through the *Streights*, unto the Cape St. *Martine*;

And alſo the Coaſt of *BARBART* unto the Iſland of *TABARCA*.

Both Diſtances of Coaſtings; as alſo Thwart Courſes over Sea.

FRom the Cape Trafalger unto Tarifa, the Courſe is South-East. 4 leagues.
From Tarifa unto the Point of Gibralter, E and by N, 5 l.
From the point of Gibralter to Maribela, N E & by E, 12 l.
From Maribela unto Fangerola, E N E, 5 l.
From Fangerola unto the weſt corner of Malaga, Eaſt North Eaſt, 2 leagues and a half.
From the weſt corner of Malaga to the City of Malaga, N E, and N E and by N, 4 l.
From the corner of Gibralter unto Malaga, N E, 23, or 24 l.
From Malaga unto Velez Malaga, E, and E N E, 6 leag & a half.
From Velez Malaga unto Almunicar, Eaſt, 15, or 16 l.
From Almunicar unto Solobrenna, Eaſt, 4 l.
From Solobrenna nnto Modril, E and by N, 2 leagues and a half.
From Modril unto Cape de Sacraſtyf, E S E, 1 large league.

From Cape de Sacrastyf unto the Castle de Fiero, E and by N, 41.
From the Castle de Fiero unto Adera, East, 81.
From Adera unto Almeria, N E, 51.
From Almeria unto Cape de Gata, S E and by E, 6, or 7 l.
From the Corner of Gibralter unto the Cape de Gata, E and by N, 66 leagues.
From the Cape de Gata unto Almazaron, is the Course N E and by North, 24 l.
From Almazaron unto Cartagena, E N E, 6 leagues and a half.
From Cape de Gata unto Cartagena, N E, 29 l.
From Cartagena unto Cape de Palos, E and by S, 6 leag. and a half.
From Cape de Palos unto Ilha-Grossa, North, 2 leagues & a half.
From Cape de Palos unto the Island St. Paulo, North North East, 18 leagues and a half.
From St. Paulo to Alicante, N, and N and by W. 4, or 5 l.
From Alicante Villa Joosa lies Benidorme, a little league off from the Land.
From Benidorme to the Cape of St. Martain, N E, 4, or 5 l.
From Cape de Gata unto Cape de Palos, betwixt N E, and N E and by East, 34 leagues and a half.
From Cape de Palos unto the Cape of St. Martain, N E and by N, and Northerly, 34 leagues and a half.
From Cape de Palos unto the Island Formentera, East, 40 l.
From Alicante unto the Island Formentera, East, 24 l.
From Cape de St. Martain unto the South West corner of Yvica, East, 10 leagues and a half.
From Cape de St. Martain unto the South West corner of Formentera, E and by S, 17 l.

The Reachings of the Coast of Barbary.

From the Cape de Spartel in Barbary unto the corner of Schiminckell-hill, is the Course E N E, 8 l.
From the Schiminckell-hill unto the corner of Seuta, S E and by E, 2 leagues and a half.
From the Point of Seuta unto the Road of Tetuaen, South, 6 leagues and a half.
From the Road of Tetuaen unto Pennon de Velez, E S E, 20 l.
From Seuta to Pennon, S E and by E, and Easterly, 26 leag. & a half
From Pennon unto Buzema, to Northward of the East, 13 l.

From

From Buzema unto Cape Tresforcas, E N E, 18 leagues.
From Cape de Tresforcas to Mellila, the Course is South East and by East, 10 leagues and a half.
From Mellila to Ilha Zaforinos, E and by S, 8 l.
From Ilha Zaforinos to Millonia, S E and by E, 5 l.
From the Cape Tresforcas to Ilha Zaforinos, S E, 15, or 16 l.
From the corner of Seuta to the Cape de Tresforcas, E and by S, and Easterly, 7 l.
From Seuta to the Island Alboran, East, 13 l.
From the Cape de Tresforcas to Cape de One, E, and E and by S, 24 leagues.
From Cape de One to the Cape de Figalo, North East and by East, 10 leagues and a half.
From Cape de Figalo to the Cape Falcon, N E, 10 leag. & a half.
From the Cape Carbon to the Cape Yvi, E N E, about 12 l.
From Monte Simie to the Cape de Caxines, E & by N, 24, or 25 l.

The Side or Slant Courses of Spain and Barbary.

From Trafalgar to the Cape Spartel, S, somewhat Easterly, 9 l.
From Tarifa to the Cape Spartel, S S W, 8 l.
From Tarifa to the Point of Seuta, S E, 8 l.
From the Point of Gibralter to Seuta, S and by E, 6 leag. & a half
From the corner of Gibralter to Pennon de Velez, S & by E, 29 l.
From the corner of Gibralter to the Cape des Tresforcas, E and by South, 53 l.
From Malaga to Seuta, S W and by S, 28, or 29 l.
From Malaga to Pennon de Velez, S and by E, and easterly, 37 l.
From Malaga to the Cape de Tresforcas, S E and by E, 45 l.
From Seuta to Salobrenna, N E and by E, and E N E, 46 l.
From Seuta to the Cape de Gata, E and by N, and E N E, 69 l.
From the Island Alboran to the Cape de Gata, N E and by N, 20, or 21 l.
From the Cape de One to the Cape de Gata, North North West, 26 leagues and a half.
From the Cape de One to the Cape de Palos, N N E, 48 l.
From the Cape de Figalo to the Cape de Gata, North West, 26 leagues and a half.
From Oran or C. de Falcon to the C. de Gata, W N W, 28, or 29 l.

From Oran to Cape de Palos, N and by E, and northerly, 33 l.
From Cape de Yvi or Mostogana to the Cape de Gata, West more northerly, 45 l.
From the Cape Yvi to the Cape de Palos, North West and by North, 30 leagues and a half.
From Monte Simie to Cape de Gata, N W, more westerly, 60 l.
From Monte Simie to the Cape de Palos, N W & by W about, 36 l.
From Monte Simie to the Cape de St. Martain, N N W, and more Northerly. 50 l.
From the Cape de Caxines or Algier to the Cape de Gata, W, more southerly. 82 l.
From Algier to Cape de Palos, W & by N, & W N W, 59 l.
From Algier to the Cape de St. Martain, N W, 61 l.
From Cape de Gata to the Cape de Figale, South East, distant, 26 leagues and a half.
From the Cape de Gata to the Cape de Falcon, East South East, 28, or 29 l.
From the Cape de Gata to the Cape Yvi, E, more southerly, 45 l.
From the Cape de Gata to Monte de Simie, East more northerly, 47 l.
From the Cape de Palos to Oran, South and by West, and more southerly, 33 l.
From the Cape de Palos to Monte de Simie, South East, and by East, about 36 l.
From the Cape de Palos to the Cape Caxnies by Algier, between E and by S, and E S E, 58 l.
From the Cape St. Martain to Monte de Simie, South South East, and southerly, 50 l.
From the Cape St. Martain to Algier in Barbary, S E, 53 l.

THE

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THE SECOND SIGHT OF THE

Description of the Sea-Coasts of Valentia and Catalonie; Between the Cape of St. Martain, and the Cape de Creos: As also of the Islands of Majorca, Minorca and Yvica.

Reachings and Courses.

From the Cape of St. Martain to the Cape St. Antonio, the course is N W, 2 leagues and a half.

Denia lies a great league past the corner of St. Antonio; And from Denia to Candia the course is, N W, 5, or 6 l.

From Denia to Cullera or Coglera, N N W, 9 l.

From Cullera to Grao, afore Vallentia, N N W, 5 l.

From the Cape St. Antonio to Vallentia, N N W, 16 l.

From Vallentia to Penifcola, N N E, 20 l.

From the Cape Orpresa to Penifcola, N E and by N, 6 l.

From the Alfaques of Tortosa to Taragona the course is, N E and by E, 14 leagues and a half.

From Taragona to Bercelona, N E and by N, 17 l.

From Bercelona to the Cape Dragonis, N E and by E, 21 l.

From the Cape of St. Martain to Monte Colibre, N & by E, 29 l.

From the Cape St. Martain to the Cape Dragonis, or the Cape Drago-fredi, the course is more northerly then North East and and by N, 82 l.

From the Cape Dragonis to the bay of Rosas, North and by East, 2 leagues and a half.

From the Cape Dragonis to Cape de Creos, N and by E, 13 l.

The Side Courses from these Lands to other Places.

From the Cape St. Martains to the West corner of Yvica, the course is E and E and by N, 10 leagues and a half.

From

From the Cape St. Martain to the south-west corner Formentera, is the course E and by S, 18 leagues and a half.
From the Cape Dragonis to the west corner of Majorca, the course is more southerly as S S W, 53 l.
From the Cape Dragonis to the North corner of Minorca the Course is S and by E, 40 l.
From the Cape Dragonis to the Islands of Eres, N E and by N, 51 l.
From the Cape Dragonis to Livorno, E N E, 46 l.
From the Cape Dragonis to Marsilia, N E and by N, 48 l.
From the Cape Dragonis to the corner of Revela in Corsica, East and by North, 80 l.
From the Cape Dragonis to the Golf Aiasin in Corsica, E, 80 l.
From the Cape Dragonis to the Island Azinara in Sardinia, East and by South, 84 l.

The Reachings and Courses of Majorca.

From the West corner of Yvica unto the North corner of the same Island, N and by E, 5 l.
From the North corner to the East, the coast reacheth E N E, and W S W, 8, or 9 l.
The South east side of Yvica lies about North east and South West, 11, or 12 l.
The Southerly East corner of Formentera, and the West corner of Yvica lie distant, S E and N W, 9 l.
From the East corner of Yvica to the West corner of Majorca, or the Island of Dragonera, the Course is North North East, and North East and by North, 14 l.
The North side of Majorca or Dragonera unto the Cape Formentera reacheth E N E, and W S W, about 21 l.
The North East side of Formentera unto the Cape La-pedra reaches, S S E, and N N W, 9 l.
The South East side of Majorca from the Cape La-pedra to the Island Cabrera, S W, and by S, 18 l.
The South West side of Majorca, lies North W and by W, and S E and by E, 16, or 17 l.
From the Cape Formentera unto the Cape Bajolis, which is the North East corner of Minorca the coast reacheth, East North East, 8, or 9 l.

From

From the Cape Bajolis to Porto Forneli, W, 6 leagues and a half.
From the Cape Bajolis to the S W corner of Minorca, S, 51.
From the South West corner to the South East, reaches Minorca along the S W side, E S E, and W N W, 10 leagues and a half

The side Courses of the Islands Yvica, Minorca and Majorca.

From the South West corner of Yvica to the Cape of St. Martain, W and W and by S, 10 leagues and a half
From the South West corner of Formentera, to the Cape St. Martain it is W and by N, 18 leagues and a half.
From the East corner of Formentera to the Island Cabrera, it is N E and by E, and more Easterly, 21 l.
From the East corner of Yvica to Cabrera it is right East, 14 leagues and a half.
From the East corner of Yvica to Dragoneta or the West corner of Majorca, N and by E, 14 l.
From the West corner of Majorca to the Cape of Dragonis, more northerly, as N N W, 53 l.
From the West corner of Majorca to Monte Colibre, W and by N, and W N W, 20, or 21 l.
From the North east corner of Minorca to Cape Dragonis, North and by West, 37 l.
From the Island Minorca to the Islands of Eres, N N E, about 80 l.
From Formentera to the North end of Sardinia, the Course is East North East, about 120 l.
From the South end of Minorca to the North end of Corsica, North East, 85 l.
From the South end of Minorca to the South end of Sardinia, East and by South, and East South East, distant 64 l.
From Yvica to Algier, S E and by S, 53 l.
From the Island Formentera to Cape Palos, S W and by W, 40 l.
From Yvica or Formentera to Alicant, W and southerly, 24 l.

THE

486.

THE THIRD SIGHT OF THE *Sea-Coasts between Cape de Creos and Cape Delle Melle, and also the Islands of Corsica and Sardinia.*

Reachings and Courses.

From Cape Creos or Creus to Cape Leucata, N W or N and by N, 18, or 19 l.
From the Cape Leucata unto Marsilia, E and by N, & E N E, 37 l.
From the Islands of Marsilia to the Cape de Tolon, E S E, and more southerly, 13 l.
From the Cape de Tolon unto the Islands Eres, E S E, 4 l.
The Islands of Eres do reach E, and E and by N, about 10 l.
From the East end of Bovena, which is the easterlyest of the Islands of Eres, unto the Cape de Larde, the Course is N E, and easterly, 2 leagues and a half.
From the Cape de Larde unto the Bay of Freiul, N & by E, 8, or 9 l
From the Islands of Eres to the Cape Rossa, N E, 13 l.
From the Cape Rossa unto the Bay of Canano, N N E, 5 l.
From the Bay of Canano unto the Cape de Garopa, East North East, 3, or 4 l.
From the Cape Garopa to Nisa, N E, 4, or 5 l.
From Cape de Garopa unto Villa Franca, E N E, and N E and by East, 4 leagues and a half.
From Villa Franca to the Cape St. Vesperis, E S E, 1 large league.
From the Cape St. Vesperis to Monaco, N N E, 2 leagues & a half
From Monaco unto Vintimiglia, E N E, 2 leagues and a half.
From Vintimiglia to Bordiguera, E N E, 1 large league.
From Bordiguera to the Cape Delle Melle, E N E, 4 l.
From Cape Delle Melle to Isla Rossa, S and S and by E, 32 l.
From the Cape de Rossa to the Island Gorgona, East, more northerly, 46 l.

Cross,

Croſs or crooked Courſes from theſe Lands unto other places.

From the Iſlands of Eres to the North Weſt point of Corſica, the courſe is E S E, 34 leagues and a half.
From the bay of Freiul to Iſla Roſſa in Corſica, S E & by E, 37 l.
From the point St. Veſperis to Iſla Roſſa in Corſica, S E and by S, or S S E, 29 l.

The Coaſts of Corſica and Sardinia Reaching alongſt the ſhore.

From the Cape Corſo unto the Golf of Fiorenſa, S S W, and S W, and by S, 51.
From the Cape Corſo to Calvi, or the Iſle Roſſa, W S W, 13 l.
From Bonifacy to the Iſland Aſinara, S W and by W, 13 l.
From Aſinara unto the North Weſt point of Sardinia, called Pene, S S W, 6 leagues and a half.
From Pene to Coſta de Dona, S more Eaſterly, 13 l.
From St Marco to the J. de St. Pedro, South Weſt and by Weſt, 10 leagues and a half.
From St. Pedro to J. Palma de Sol it is, 4 l.
From St. Pedro to the rock Toro, S E, 6 leagues and a half.
From Toro to the Cape Pulo it is E N E, 6 leagues and a half.
From the rock Vaca to the Cape Tolar, E, 6 leagues and a half.
From the Cape Tolar to J. Roſſa, N E, 2 leagues and a half.
From Iſla Roſſa to the Cape Feronia, S S E, 2 leagues and a half.
From the Cape Feronia to Cape de Pulo, E S E, 1 league & a half
From the Cape Pulo to Saroch, N E, 5 l.
From the Cape Saroch to Calari, N N E, 5 l.
From Calari unto Cape Cardonera, or the Iſland Cortelaſo, S E, and by E, 9, or 10 l.
From the Cape Pulo to Cortelaſo, E and by N, 11, or 12 l.

Croſs Courſes over Sea.

From Cape Corſo to the Cape Delle Malle, N W and more Weſterly, 26 l.
From the Cape Corſo to Genua, N and by W, 22 l.
From the Cape Corſo to Porto Spetia, N N E, 26 leagues & a half.
From the Cape Corſo to Livorno, N E & by E, 22 leagues & a half.
From the Cape Corſo to Piombino, E, 23, or 24 l.

From the Cape Corso to the Island Elba, E and by S, 17 leagues.
From Isla Rossa to the Bay of Freiul, NW and by W, 37 l.
From Isla Rossa near Calvi to the Cape Vesperis, NW and by N, or N N W, 29 l.
From Isla Rossa to the Cape Delle Melle, N, & N & by W, 32 l.
From the Cape Revelia, being the North-west end of Corsica to the South end of Minorca, S W, 85 l.
From the Cape Revelia to the Cape Dragonis, W & by S, 80 l.
From the Cape Revelia, the North-west point of Corsica to the Islands of Eres, W N W, 35 l.
From the Golf of Ajasso in Corsica to the Cape Dragonis, W, 84 l.
From the Island Asinara belonging to Sardinia to the Cape Dragonis, W and by N, 84 l.
From the Land Pedro to Minorca, W and by N, & W N W, 61 l.
From Toro to Galita, S S E, and S E and by E, 15, or 16 l.
From the Cape Pulo to Galita, South, 16 l.
From the Cape Carbonera, which is the South-east end of Sardinia, unto the Island Maritimo, at the West end of Sicilia, it is East South East, and East and by South, 38, or 40 l.
From the Cape Carbonera to Trapano at the West end of Sicilia, E and by S, 45 l.
From the South-east point of Sardinia to the Islands Ustica, N E, more Northerly. 50 leagues and a half.
From the South-east corner of Sardinia unto the Island Capri by Naples, N E and by E, 80 leagues.

THE FOURTH SIGHT,

Of the Sea-Coasts of Italy, betwixt the Cape Delle Melle and Messina unto Sicily.

Reachings and Courses.

From the Cape Delle Melle unto the Cape Noli, the Course is N N E, 12 leagues.
From the Cape de Noli to Savona, N and by E, 6 l.
From Savona to Genua, East, 7, or 8 l.

From

From Genua to Porto Fin, E S E, 8 leagues.
From Porto Fin to Porto Specia, E S E, 10 leagues and a half.
From Porto Specia to Via Regio, E S E, 8 l.
From Via Regio to Livorne, S and by E, 8 l.
From Livorne to Piombino, S and by E, 16 l.
From Piombino to Monte Argentato, S E and by S, 17 l.
From Porto Hercole to Civita Vechia, the Course is E S E, 9 l.
From Civita Vechia to Oſtia the Haven of Room, E S E, 8 l.
From Oſtia to the Cape de Antio, S E, or S E & by S, 6 leag. & half
From Cape Antio to Monte Cercelly, S E and by S, 8 l.
From Monte Cercelly to Gata, E and by S, 10 leagues and a half.
From Gata to the Iſland Iſchia, S E and by S, 12 l.
From the East end of Iſchia to Napolis, N E, 6 leagues and a half.
From Iſchia to Caſtellamar, E N E, 9 l.
From Monte Chriſti to the Iſland Palmerola, S E & by E, 45 l.
From Palmerola to Pontio, E and by S, 6 l.
From Pontio to the Iſland Iſchia, East, 13 l.
From Napolis to Capri, South, 5 l.
From Capri to the Cape Licoſſa, E and by South, 12 l.
From the Cape Licoſſa to the Cape of Foreſta, or the corner of Policaſtro, E S E, and E and by S, 10 leagues and a half.
From the Cape de Licoſſa to the Cape of Manthia, S E, 24 l.
From the Cape Licoſſa to the Cape of Baticano, S E and by South, 34 leagues and a half.
From the Cape de Baticano the corner of Miſſina, S & by W, 8 l.

The Straight and Croſs Courſes.

From the Cape Delle Melle to Genua, N E, 20 l.
From the Cape Delle Melle to Porto Fin, more eaſterly than N E and by E, 24 l.
From Cape Delle Melle to Porto Specia, E and by N, and more Northerly, 32 l.
From Delle Melle to Livorne, E, and E and by S, 43 l.
From Cape Delle Melle to Piombino, E S E, 48 l.
From Cape Delle Melle to the Cape Corſo in Corſica, S E, and eaſterly, 26 leagues and a half.
From Genua to Livorne, S E, and S E and by E, 32 l.
From Porto Specia to Livorne, S E and by S, 15 l.

From Porto Specia to Cape Corso, S S W, 26 leagues and a half.
From Livorne to the Island Gorgona, W S W, 113 l.
From Livorne to the Island Capraia, South West and by South, and S W, 11, or 12 l.
From Livorne to the Cape Dragonis, W S W, 6 leagues and a half.
From Livorne to the Island Elba, S, & S & by W, 14 leag. & a half
From Livorne to the Cape Corso, S W & by W, 22 leagues & a half
From Piombino to the Cape Corso the course is W, 23, or 24 l.
From the Island Elba to Gorgona, S S E, 13 l.
From the Island Elba to Capraia, N W and by W, 8 l.
From the Island Elba to the Cape Corso, W and by N, 17 l.
From the North West end of Elba to Planosa, S and by W, 5 l.
From Planosa to Formigues, S, and S and by E, 5 l.
From the Formigues to Monte Christi, E, about 4 l.
From the South East end of Elba to Monte Christi, S & by W, 61.
From the Island Elba to Monte Argentato, E S E, 17 l.
From Ischia to Stromboli, S E, and S E and by S, 48 l.
From the Island Capri to the South East corner of Sardinia, South West and by West, 80 l.
From Capri to the Island Ustica, S W, 53 l.
From Capri to Alicur, South, 40 l.
From Capri to the Cape Licosa, E and by S, 13 l.
From the Cape de Licosa to Cape Manthia, S E, 24, or 25 l.
From the Cape la Manthia to Stromboli, S W and by S, 12, or 13 l.
From Ischia to Stromboli, S E 48 l.
From Capri to Alicur, South, 40 l.
From the Cape de Licosa to Strongoli, or Stromboli, S S E, and S and by E, 30 leagues and a half.

THE FIFTH SIGHT.

The Description of the Sea-coasts of whole Sicily, Malta, *and also of* Barbary, *from the Island of* Tabarca *toward the East.*

Reachings and Courses.

FRom the corner of Messina to the corner of Melasso, the course is West and by South, 10 l.

From

From the corner of Melasso to the Cape Bongerbino, or the corner of Salanto, W and by S, 27, or 28 l.
From the corner of Salanto to Cape Gallo, West and by North, 6 leagues and a half.
From the Cape St. Vito to Trapano, S W and by W, 5 l.
From the Island Maritimo to the West corner of Sicily, the distance is West, 6 leagues.
The corner of Messina, and the Island Stromboli, lie distant S E, and N W, 121.
From Stromboli to Li Salini, W and by S, 10 leagues and a half.
From Li Salini to Felicur, W and by S, 5 l.
From Felicur to Alicur, W and by S, 5 l.
From Alicur to Ustica, W and by N, 15, or 16 l.
From Ustica to Maritimo S W, 26 leagues and a half.
From the Cape Caxines neer to Algier, to the Cape Bugarome, E and by N, 48 l.
From Cape Bugarome to the Cape de Fero, E and by N, 10 l.
From Cape de Fero to the Island Tabarca, the coast reacheth East, and by South, about 26 leagues and a half.
From Tabarca to the Cape de Negro the course is N E, 7, or 8 l.
From Cape Negro to the Cape de Marabut, the East reacheth about East, 8 l.
From the Cape Marabut to the Islands Cani, 4 l.
From Cani to the corner Guardia, E and by S, 4 l.
From Guardia to Gamelora, E S E and E, 2 leagues and a half.
From Gamelora to the Island Zombaro, East, 8 l.
From that Island Zombaro to the Cape Bona, E and by N, 5 l.
From the Cape Cartago to the Cape Bona, N E and by E, 13 l.
From the corner of Cupia to Susa, S and by W, 18 leag. & a half.
From Susa to Comigeras, S E, 4 l.
From Comigeras to the City Africa, S E, 5 l.
From the corner Africa to the corner Afacus, S S E, 8 l.
From the Island Maritimo to Trapano, or the West end of Sicily, East, 6 l.
From Maritimo to Favagnana, E S E, 4 l.
From Favagnana to the corner Marsa, E S E, 2 leagues and a half
From Trapano to the corner of Mazara, South, 8, or 9 l.
From the corner of Mazara to the Cape Leocata, the course is South.

South East and by East, 23, or 24 leagues.
From the Cape Leocata to the Cape Sacramis, E S E, 15, or 16 l.
From the Cape Sacramis to the Cape Passaro, East, 17 l.
From the Cape Passaro to Saragoca, the course is North East, 9 l.
From Saragoca to Messina, N and by E, 26 leagues and a half.
From Messina to Rheso or Regio, S S E, 10 leagues and a half.
From the corner of Rheso to the Cape the Spartivento, the course is E and by S, 8, or 9 l.

Streight and Cross Courses.

From Palermo to Ischia, North, 56 l.
From Palermo to the Island Ustica, N and by W, 14 leag. & a half.
From Palermo to Alicur, North East and by North, and more Easterly, 15, or 16 l.
From the Island Maritimo to the Island Elba, North North West, 6 leagues and a half.
From Ustica to the South-east corner of Sardinia, West, 56 l.
From Trapano to the South-east corner of Sardinia, Cape Carbonera, the course is W and by N, about 45 l.
From the Cape de Fero to the Island Galita, E and by N, and E N East, 30 l.
From Galita to Tabarca, S and by W, 12, or 13 l.
From Galita to Cape Negro, S E, 6 leagues and a half.
From Galita to the Rocks Chirby or the Quels, East, and East and by North, about 32 l.
From Galita to the Cape Pulo or Polo in Sardinia, N, about 16 l.
From Galita to the Rock Toro at the South-west corner of Sardinia, N N W, and N and by W, 15, or 16 l.
From the Rocks Chirby or Quels to the Cape Bona, South South East, 13 l.
From the Quells to the Island Favagnana, East and by North, 22 leagues.
From the Island Favagnana to Cape Bona, South West, and South West and by West, 22 l.
From the Island Favagnana to the Island Pantalaria, South and by West, 18 leagues and a half.
From the Cape Bona to Pantalaria, East & by South, and East South East, 17 l.

From

From Pantalaria to Africa in Barbary, S W and by S, 29 l.
From Pantalaria to Lampidosa, S S E, 18 l.
From Lampidosa to Limosa, N E, 6 leagues and a half.
From Pantalaria to the Island Goso, at the West end of Malta, E S E, 33 l.
From Lampidosa to Goso, E and by N, 23, or 24 l.
From Limosa to Goso, West and more Southerly, 18 leag. & a half
From Pantalaria to the Cape Passaro, East and E and by S, 53 l.
From the Island Goso to the Cape Passaro, South West and by West, 24, or 25 l.
From Malta to the Cape Passaro, N E, 16, or 17 l.
From Malta to Tripoli in Barbary, S and by W, 53 l.
From the Cape Passaro to the Island Candia, E and by S, 141 l.
From the Cape Passaro to the Cape de Matapan, East and more southerly, 114 l.
From the Cape Passaro to the Island Sapiensa, right East, 101 l.
From Cape Passaro to the Island Sante, E and by N, or a little more northerly, 93 l.
From Malta to Alexandria in Egypt, E and by S, and E S E, 266 l.

THE SIXTH SIGHT

Of the Description of the East Sea-Coasts from Calabrie, *from* Messina *unto* Otranto, *as also the Havens and Islands in the* Golf of Venetia *unto* Corfu.

The Reachings and Courses.

FRom the corner of Rheso to the Cape Spartivento, East and by South, 8, or 9 l.
From the Cape Spartivento to the Cape Borsano, N E and by North, 3, or 4 l.
From the Cape Borsano to the Cape de Stilo, N N E, 8 l.
From the Cape Stilo to the Cape Colomne, N E and by E, 20 l.
From the Cape Spartivento to the Cape Colomne, N E, more Easterly, 30, or 32 l.
From the Cape Colomne to Taranto, N and by W, 29, or 31 l.

From

From the Cape Colomne to Galipoli, N N E, 21 leagues.
From the Cape Colomne to the Cape St. Mary, North East, more northerly, 24 l.
From the Cape Mary to the Cape Otranto, N more easterly 9 l.
From the Cape Otranto to Brandisi, N W and by W, 13 l.
From Brandisi to Monopoli, W N W, 10 leagues and a half.
From Monopoli to Barri, W and by N, 12 l.
From Barri to Cape Vestice or Monte St. Angelo, N W and by N, and N N W, 12 l.
From Monopoli to Monte St. Angelo, N W and by W, 22 l.
From Monte St. Angelo or the Cape Vestice to the Island Gimnasi, N W and by N, 8 l.
From the Island Gimnasi to the Islands of St. Maria de Trinity, W and by S, 2 leagues and a half.
From Monte St. Angelo to the Islands of Maria de Trinity, N W and by W, 10 leagues and a half.
From Monte St. Angelo to Ortona, W N W, or more westerly, about 26 leagues and a half.
From Ortona to Ancona, N W or more northerly, 30 l.
From the Islands of St. Maria de Trinity to Ancona, North West and by W, 43 l.
From Ancona to Sinigayn, W and by N, 8 l.
From Ancona to Rimano, N W and by W, and W N W, 21 l.
From Rimano to Volane, N N W, 18 leagues and a half.
From Volane to the gap of Venice, N and by E, 17 l.
From Venetia to Rovigno, or St. John in Pelago, E S E, 25 l.
From Rovigno to Pola, S E, 41.
From Rovigno to the Polmontooren, or Promontores, South East, 6 leagues and a half.
From Polmontooren to Insola Longa, Sout East more Easterly, 22 leagues and a half.
From Insola Longa to the Cape Cesto, S E, 10 leagues and a half
From Trau to the Island Lissa, South, 8, or 9 l.
From Insola Longa to Lissa, S E more easterly, 20 l.
From Lissa to the Island Pinno, West, 6 leagues and a half.
From the South end of Lissa to Caetse, S E, 5 l.
From Caetse to Lagosta, E and by S, 4 l.
From Lagosta to Maleda, E and E and by N, 6 l.

From

From Maleda to Roguſa, E and by N, 6 leagues and a half.
From Roguſa to Catarro, S E and by E, 6 leagues and a half.
From Catarro to Dulcigno, S E and by E, 9 l.
From Dulcigno to Duraſſa, S E and by S, 9 l.
From Duraſſa to Lavilone or the Iſland Soaſena, S, 18 leag. & a half.
From Soaſena to the Iſland Corfu, S S E, 13 l.
From Soaſena to the Iſland Fami, South, 12 l.

Croſs Courſes.

From the Cape Colomne to Cape San Sydaro in Zephalania, Eaſt and by South, 45 l.
From the Cape St. Maria to the Cape San Sydaro, S E, 40 l.
From the Cape Maria to the Iſland Fanu, Weſt of Corfu, Eaſt and by North, 13 l.
From the Cape Otranto to the Iſland Soaſena, N E, 12 l.
From the Cape Otranto to the Iſland Fanu by Corfu, E S E, 12 l.
From the Cape Otranto to Lovaline or the Iſland Soaſena, N E, 12 leagues.
From the Cape Otranto to the Cape Duraſſa, or the Cape Pali, N N E, 28 l.
From Brundiſi to Raguſa, N and by E, more Eaſterly, 33 l.
From Brundiſi to the Cape Duraſſa, or the Cape Pali, North Eaſt, 26 leagues and a half.
From Brundiſi to the Iſland Lagoſta, N W and by N, 40 l.
From Brundiſi to the Iſland Palagoſa, N W, 40 l.
From Monte St. Angelo to the Cape Pali, Eaſt, 48 l.
From Monte St. Angelo to Catarro, E N E, 33 l.
From Monte St. Angelo to the Iſland Melida, North Eaſt and by Eaſt 22 leagues and a half.
From Monte St. Angelo to Lagoſta, N N E, 17 l.
From Monte St. Angelo to Palagoſa, N, 10 leagues and a half
From Monte St. Angelo or the Cape Veſtice to Ancona, N W, and N W and by W, 33 l.
From Ancona to Palagoſa, South Eaſt and by Eaſt, and Eaſt South Eaſt, 44 l.
From Ancona to the Iſland Pomo at the Weſt end of the Iſlands of Liſſa, E S E, and E and by S, 34 l.
From Ancona to the Cape Ceſto, Eaſt, 37 l.

From Ancona to Litempidi Zara or Insola Longa, East North East, 30 leagues and a half.
From Ancona to the Island Lerda, N E, 28 l.
From Ancona to the Island Sangilo, N N E, 29 l.
From Ancona to Polmontooren, N, and N and by E, 32 l.
From Ancona to Parenso, North, 36 l.
From Ancona to the gap or entrance of Venice, N N W, more Westerly, 46 l.
From Pelagosa to Lagosta, N E and by N, 8 l.
From Pelagosa to Caecse, N and by E, 6 leagues and a half
From Pelagosa to Lissa, North, 10 leagues and a half
From Pelagosa to the Island at the South end of Lissa, North and by West, 10 leagues and a half.
From Pelagosa to the Island Pomo, N W and by N, 14 l.
From the Island Pomo to Venetia, or Malamocca, North West, very near 80 leagues.

THE SEVENTH SIGHT.

The Description of the Islands of Corfu, Antipachsu, Cephalonia *and* Zant; *with the West-Coast of* Morea, *till you come to the Cape* Sapiensa, *or the Corner of* Modon.

Bearings and Courses.

FRom Fanu to Paro, S E and by S, about 16 leagues.
From Fanu to the Cape Otranto, W N W, 12 l.
From Fanu to Cape Maria, W and by S, 13 l.
From Paro to Cape Sidaro, the Westerlyest point of Cephalonia, South, 20, or 21 l.
From the Cape Sidaro to the south end of Zante, S E and by S, and S S E, 18 leagues and a half.
From the South corner of Cephalonia to the Northerlyest corner of Zant, S W and by W, 4, or 5 l.
From the East corner of Zant to the Island Strafforda, it is South, 6 leagues and a half.

From

From the East corner of Zante to the Island Prodon or Prodono, SSE, 13 leagues.
From the East corner of Zante to the Island Sapiensa, it is more southerly then South South East, 18 leagues and a half.
From the Island Straffordia to the Cape Sapiensa, or to the corner of Modon, SE and by S, 11, or 12 l.

Long and Cross Courses.

From Fanu to the Cape Otranto, W and by S, 23 l.
From Fanu to Cape St. Maria, W and by S, 83 l.
From the Cape Sidaro in Cephalonia to Cape Maria, NW, 43 l.
From Cape Sidaro to the Cape Colomni, W and by N, 32 l.
From Cape Sidaro to Pasaro, WSW, 93 l.
From the Island Zante to Cape Pasaro in Cicily, W and by S, 98 l.
From the Island Sapiensa to Cape Pasaro, West, 101 l.

THE EIGHT SIGHT.

A Description of the Sea-coasts of Morea, *between* Modon *and the Cape* St. Angelo; *As also of the Island* Candia.

Streight and Side Courses.

FRom Sapiensa to the Cape Matapan, the course is ESE, and SE and by E, 14 leagues.
From Venetica to Coron, NE and by N, 4 l.
From Coron to Vitulo, SE and by E, 6 leagues and a half.
From Vitulo to Cape Matapan, S and by E, 9 l.
From the Cape Matapan to the North end of Serigo, East, 22 l.
From the Cape Matapan to the South-west corner of Serigo, East South East, and South East and by East, 13 l.
From the Cape Matapan to the Island Ovo, to south-ward of the south-west corner of Serigo, SE and by E, 4, or 5 l.
From the South corner of Serigo to the Dragoners, North North East, 2 leagues and a half.
From the Dragoners to the Cape Angelo, NE, 6 leagues and a half

From the North corner of Serigo to the Cape St. Angelo, East and by North, 6 leagues and a half.
Serigoto and the Dragoners lie distant N and by W, and S and by East, 10 leagues.
Serigoto lies from the Cape St. Angelo, South, 14 leagues & a half.
From the Cape Matapan to Serigoto, S E, & S E & by E, 20, or 21 l.
From the Cape St. Baptisto to the Cape Passaro in Sicily, West and by North, 141 l.
From St. John to the Island Sapiensa, N W, 42 l.
From the Cape St. John to the Cape Matapan, N W, and N W and by W, 42 l.
From the Cape Spadé to Cape Malea or St. Angelo, North and by West, 16 l.
From the Cape Spade to Milo, N N E, and N E & by N, 21 l.
From the City Candia to Milo, N N W, 21 l.
From the Cape St. John to Goso, S E, 7, or 8 l.
From Goso to the Island Malta, West and by North, or more Westerly, 154 l.
From Goso to Alexandria, South East and by East, or more Southerly, about 133 l.
From the Cape Salomon the East end of Candia, to the West end of Cipres Cape Bassa, East, and East and by South, rather more Southerly then Easterly, 90 l.
From the East end of Scarpanto to the South-east corner of Rhodes, North East and by East, 16, or 17 l.

THE NINTH SIGHT,

Of the Description of the passage through the Sea Archipelagus, *and the Islands that lie in the same,* as Schyro, Schoppello, Siatta, *and others thereabouts, and the North Coasts of* Negro-Ponte, *and how to sayl in the Golfs of* Volo *and* Zetoeni.

Reachings and Courses.

From the Cape St. Angelo to Bella Polo, N N E, 10 l.
From Cape St. Angelo to the Rock Caravi or Maracavi, the course

course is North East, and more Easterly, 12 leagues.
From the Cape St. Angelo to Falconera, North East and by East, or more Easterly, 11, or 13 l.
From the Cape St. Angelo to Antimilo, N E, 18 l.
From the Cape St. Angelo to Milo, East and by North, and East North East, 16 l.
From the Cape St. Angelo to St. George de Arbore or the Cardinals Hat, N E and by N, or more Easterly, 24, or 25 l.
From the Cape Angelo to the Channel between Zea and Mecronisa, N E, and N E and by E, 29, or 30 l.
From Cape St. Angelo till you come between Serfou and Sifanto, E N E, and N E and by E, 23, or 24 l.
From Caravi to Bello Polo, N N W, 4 l.
From Caravi to Falconera, E and by N, 5 l.
From Caravi to Annanea, S E and by E, 7, or 8 l.
From Caravi to the North corner of Serfou, N E and by East, or more Easterly, 14 l.
From Falconera to Bello Polo, W and by N, and W N W, 8 l.
From Falconera to Milo, E S E, 5 l.
From Falconera to Annanea, S E and by S, 4, or 5 l.
From Falconera to the North corner of Serfou, N E and by E, 9 l.
From Antimilo to Bello Polo, W N W, [illegible] or 13 l.
From Antimilo, or from the Haven of Milo to St. George de Arbore, or the Cardinals Hat, N N W, 15, or 16 l.
From Antimilo to the North corner of Serfou, N E, 6 leag. & a half
From Antimilo to the North-west corner of Sifanto, North East and by East, 7, or 8 l.
From Antimilo to the South corner of Tino, N E and by E, 22 l.
Between Antimilo and Milo lies Annanea, South West and by West, about 5 l.
Antimilo and Prasonisi lie distant North and by West, and South and by East about 2 l.
Prasonisi and Annanea lie distant West South West, and East North East, about 4 l.
Antimilo and Zea lie distant N and by E, and S and by W.
From Milo to Sira, N E, 16 l.
The West corner of Argentera and the West corner of Serfou, lie distant N, and N and by W, and S, and S and by E.

From

From the East corner of Serfou to the South corner of Sera, NE and by E, 10 leagues.
From the west corner of Serfou to the Cardinals Hat, or S. George de Arbore, N W, and N W and by N, 8, or 9 l.
From Zea to the Channel between Andria and Negroponto, North East and by North, 10 l.
From the South end of Negroponto to the North end, it is at the first North East, more Northerly, and then sometimes near Northerly, North East and by North, and North East to Cape Doro, about 6 leagues and a half.
From the North corner of Zea to the Island Jura or Trava, East and by S, 5 l.
From the South end of Negroponto to Jura, S & by E, 7, or 8 l.
From the Channel between Serfou and Sifanto to the South end of Zera, N E and by E, and E N E, 9 l.
From the South end of Sira between Tino and Micono, the course is East North East.
The Rock Lanate and the City Seria are distant South East and by South, and North West and by North.
From Tino and Micono to the South end of Sio, E N E, 13 l.
From the North end of Andria to the South end of Sio, East and by South, 17 l.
From the North end of Andria to the Caloyers, N E and by E, and E N E, 6 leagues and a half.

THE TENTH SIGHT,

Describing of the Sea-Coasts of Natolia, *between* Metelyn *and* Constantinople; *containing the Golf of* Constantinople *or the Sea of* Marmora, *and also the Islands of* Lemnos, Tendos, Mavera, *and others thereabout lying.*

Reachings and Courses.

From the Point Bababora or the Cape Maria, to the South-east corner of Lemno or Galimente, N W and by W, 10 l.
From Bababora to the Island Aystrati, W and N, 12, or 13 l.

From

From Bababora to Tenedos at the West side, North, and North and by West, 16 leagues.
From Bababora to Tenedos at the East side, North, and North and by East, 8 l.
From the North East corner of Tenedos to the Strait of Constantinople, N E and by E, 2 leagues and a half.
From the South East corner of Tenedos to the South East corner of Lemno, W and W and by S, 9 l.
From Tenedos to the Cape Sigiri, S W and by S, and S S W, 13 l.
From the South West corner of Lemno to the Island Aystrati, S W, and S W and by W, 13 l.
From the South East corner of Lemno to Embro and Samandrachi, N E and by N, 11, or 12 l.
From the South East corner of Lemno to the Cape Sigiri, S E and by S, and S S E, 10 leagues and a half.
From the West corner of Tenedos to the Islands Mavaria, N E and by E, 2 leagues and a half.
From the Southerlyest Islands of Mavaria to the Strait of Constantinople, N E and by E, and more Northerly, 1 large league.
From the greatest or the Northerlyest Island of Mavaria to the Strait, E N E, 11.
From the Island Mavaria to the West end of Samandrachi, North West, 6 leagues and a half.
The Strait of Constantinople and Monte Santo, lie distant West and by North, and E and by S, 22 leagues and a half.
From the Strait to the Island Lemnos or Staylimene, West and by South, 10 leagues and a half.
From the Strait to the West end of Samandrachi, West North West, 7, or 8 l.
From the Cape Jenasari, first East and by North, and afterwards East North East, North East, and then East North East and by North towards the Castles, about 4 l.
From the Castles to the low corner, North and North and by East, more then half a league.
From the low corner to Galipoli, North East and by East, and East North East, 7, or 8 l.
From Galipoli till you come to norward of Marmora, E and by N, and E N E, 8, or 9 l.

From

From the Island Marmora to Constantinople, the course is East, about 22 leagues and a half.

But from the Point Rodesto to Constantinople, East and by South, 22 leagues and a half.

THE ELEVENTH SIGHT.

The Description of the Westerly Sea-coasts of Natolia, *and also the Havens of* Smyrna *and* Fogie Nova, *and the Islands of* Scio *or* Xio, *and* Metelyno; *And of the Islands of* Rhodes, *and the Castle* Rossa.

Reachings and Courses.

From the North West end of Xio to Ipsera, W & by N, 4 l.

From Ipsera to the Cape Sigeri, the West corner of Metelyn, the course is N N E, about 10 leagues and a half.

From the North East corner of Xio to the Cape, or the Porto Sigeri in Metelyn, N N W, and N and by W, 9 l.

From the Cape Calabarno to Porto Sigeri, North West and by North, about 10 leagues and a half.

From between Xio and Agunte to the Haven Porto Jero, the course is N E and by N, and N E, 8, or 9 l.

From Cape Calabarno to Porto Jero, N E and by N, 7, or 8 l.

From Cape Calabarno to Fogie Vechia, N E, and N E and by E, 10 leagues

From the corner of Fogie Nova to Porto Jero, North West and by North, 7, or 8 l.

From Fogie Nova to Fogie Vechia, N and by E, 6 leag. and a half.

From Fogie Vechia to the North-east corner of Metelyn, is the course N W, and N W and by N, 5 l.

From the Cape Sigeri to Bababora, the course is North East, 6 leagues and a half.

From the Cape Sigeri toward Tenedos, North East and by North, and North East, 12, or 13 l.

From the Cape Sigeri to the Channel between Andria and Negroponto, South West, 26 leagues and a half.

From

From the East end of Sarpanto to the South-east corner of Rhodes, North East and by East, 16, or 17 l.
From the South-east corner of Rhodes, to wit, Cape Traquito, unto Castle Rossa upon the Coast Natolia, E and by N, 29 l.
From Castle Rossa to the Cape Baffa in Cyprus, East South East, and South East and by East, 46 leagues.

THE TVVELFTH SIGHT.

The Description of the Sea-Coasts of the Island Cyprus, *the Lavant or* Soria; *And also of* Egypt *between* Dalmiata *and* Alexandria.

Of the Coast of Cyprus: *The Reachings of the Courses along the Coast.*

FRom the Cape Baffa to the Cape de Gata or Gate, South East and by East, 29, or 30 leagues.
From the corner of the Cape de Gata to Limisol, N, 4 or 5 l.
From Limisol to the corner southward of Salines, E and by N, and ENE, 11, or 12 l.
From the Cape de Gata unto the low corner to the southward of the Salines, the course is NE, 13 l.
From the forsaid low corner Cape Chitti unto Salines, North, and North and by East, 1 leagues and a half.
From Salines to the Cape Griego, E, and E & by S, 6 leag. & a half.

In what manner other places lie distant from Cyprus.

From Cape Griego in Cyprus to the South corner of the Bay of Alexandria or to Scanderona, Cape de Porcos, NE, 32, or 33 l.
From the Cape Griego to Tripoli Soria, ESE, 26 leag. & a half.
From Salines to Baruti, South East, 37 l.
From Salines to Sidon, South East and by South, 40 l.
From the Cape Griego to Jaffa, South and by East, 33 l.
From the Cape de Gata in Cyprus or Cape Blanco, unto Alexandria, S W, and S W and by S, 80 l.

The Reachings and Courses of the Coasts of Soria.

From the South corner of the Bay of Alexandria unto Tripoli, S and by W, and S S W, 37 leagues.
From Tripoli unto Baruti, S S W, 14 l.
From Baruti to Sidon, S S W, 6 leagues and a half.
From Sidon to Sur, or to Tyro, S S W, 6 leagues and a half.
From Tyro or Sur to Cape Blanco, S W, 4 l.
From Cape Blanco to the Cape St. Margret de Amene to the corner of Carmell, S W, 5 l.
From the corner of Carmel to Castle Pilgrim, S W and by S, 4 l.
From Castle Pilgrim to Cesaria, S W and by S, 2 l.
From Cesaria to Jaffa, S W, or S W & by S, 6 leagues and a half.
From Jaffa to Scalona, South West, 13 l.

The Reachings of the Coasts of Egypt.

From Dalmiata to the Cape Brule, West North West, and more Northerly, 10 leagues.
From the Cape Brule to Rosetti, W S W, 64.
From Rosetti to Apokera, or to the Cape de Belur, South, 4 l.
From Apokera to Alexandria, S W and by S, about 4 l.
From Alexandria westward, the Coast reacheth first W S W, and W and by S, and afterward W and by N, and W N W to the Cape Resaltyn over against Candia.
From Alexandria to Coso, by the west end of Candia, N W and by W, or more Northerly, about 153 l.
From Alexandria to Malta, W & by N, & W N W, largely 267 l.

F I N I S.

To the READER.

THe Reader may please to take notice that this Treatise of the Courses and Distances of the Streights or Mediterranean Sea, *is taken out of the* Lightening Colonne, *with endeavor to amend the faults therein committed, and turn the* Dutch Miles *which go in the notion of* English Leagues, *into true and just* English Leagues, *according to our computation of* 20 Leagues to a Degree, *for the perfecter understanding of our* English Nation.

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FINIS.

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